

RF/ER-95-0096 UN

1994 Well Evaluation Report for the
Rocky Flats Environmental
Technology Site
Final

March 1995

Volume IV
Appendix F - Appendix G

EG&G ROCKY FLATS

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Appendix G Information To Support Field Evaluation Of Well Construction Methods

Appendix G-1 Logs of Borings Used In Field Evaluation of Well Construction Methods

- | |
|--------------------|
| Log Number B200789 |
| Log Number 11694 |
| Log Number 11794 |

Appendix G-2 1990 Report Prepared by D L Shear

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Well 0586	Well 3586
Well 0786	Well 3686
Well 0986	Well 3786
Well 1386	Well 3886
Well 1686	Well 3986
Well 2286	Well 4086
Well 2386	Well 4386
Well 2486	Well 4686
Well 2586	Well 5386
Well 2686	Well 5786
Well 2786	Well 6286
Well 2986	Well 6386
Well 3086	Well 6486
Well 3286	Well 6786
Well 3386	

F-2 Wells Drilled in 1987

Well 0187	Well 3487
Well 0487	Well 3887
Well 1087	Well 3987
Well 1187	Well 4187
Well 1287	Well 4287
Well 1487	Well 5187
Well 1587	Well 5487
Well 1687	Well 5587
Well 1887	Well 5687
Well 1987	Well 5887
Well 2187	Well 6487
Well 2287	Well 6687
Well 2487	Well 7087
Well 3387	

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Well B106089	Well P314089
Well B206289	Well P414189
Well B206689	Well P314289
Well B206789	Well P114389
Well B206889	Well P114489
Well B206989	Well P114589
Well B207289	Well P114889
Well P207589	Well P114989
Well P207789	Well P115589
Well P207889	Well P115689
Well P207989	Well P416289
Well B208089	Well P416389
Well B208189	Well P416489
Well B208289	Well P416589
Well B208689	Well P416689
Well P208889	Well P416789
Well P209089	Well P416889
Well P209289	Well B317189
Well P209589	Well B217289
Well P209689	Well B218389
Well P210089	Well B219189
Well P313489	Well P119389
Well P313589	Well P219489
Well P213689	Well P219589
Well B213789	

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Well 00491	Well 11691
Well 00691	Well 11791
Well 01291	Well 12291
Well 01391	Well 13091
Well 02891	Well 13291
Well 03191	Well 13391
Well 03591	Well 30991
Well 04091	Well 31491
Well 04191	Well 31791
Well 04291	Well 32591
Well 04491	Well 33491
Well 04691	Well 33891
Well 04991	Well 34791
Well 05091	Well 35391
Well 05391	Well 36191
Well 06191	Well 36391
Well 06291	Well 36691
Well 06391	Well 37591
Well 06491	Well 37691
Well 06691	Well 37791
Well 06791	Well 37991
Well 07191	Well 38291
Well 07291	Well 38591
Well 07391	Well 38891
Well 07891	Well 38991
Well 07991	Well 39691
Well 08091	Well 41091
Well 08391	Well 41491
Well 09691	Well 45391
Well 11491	

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Well 10092	Well 11092
Well 10192	Well 43392
Well 10292	Well 43492
Well 10392	Well 46192
Well 10492	Well 46792
Well 10592	Well 50092
Well 10792	Well 75092
Well 10892	Well 75292
Well 10992	Well 76292

F-6 Wells Drilled in 1993

Well 05093	Well 71193
Well 22093	Well 71493
Well 22393	Well 71693
Well 23193	Well 72293
Well 70293	Well 72393
Well 70493	Well 72493

Well No. 00491

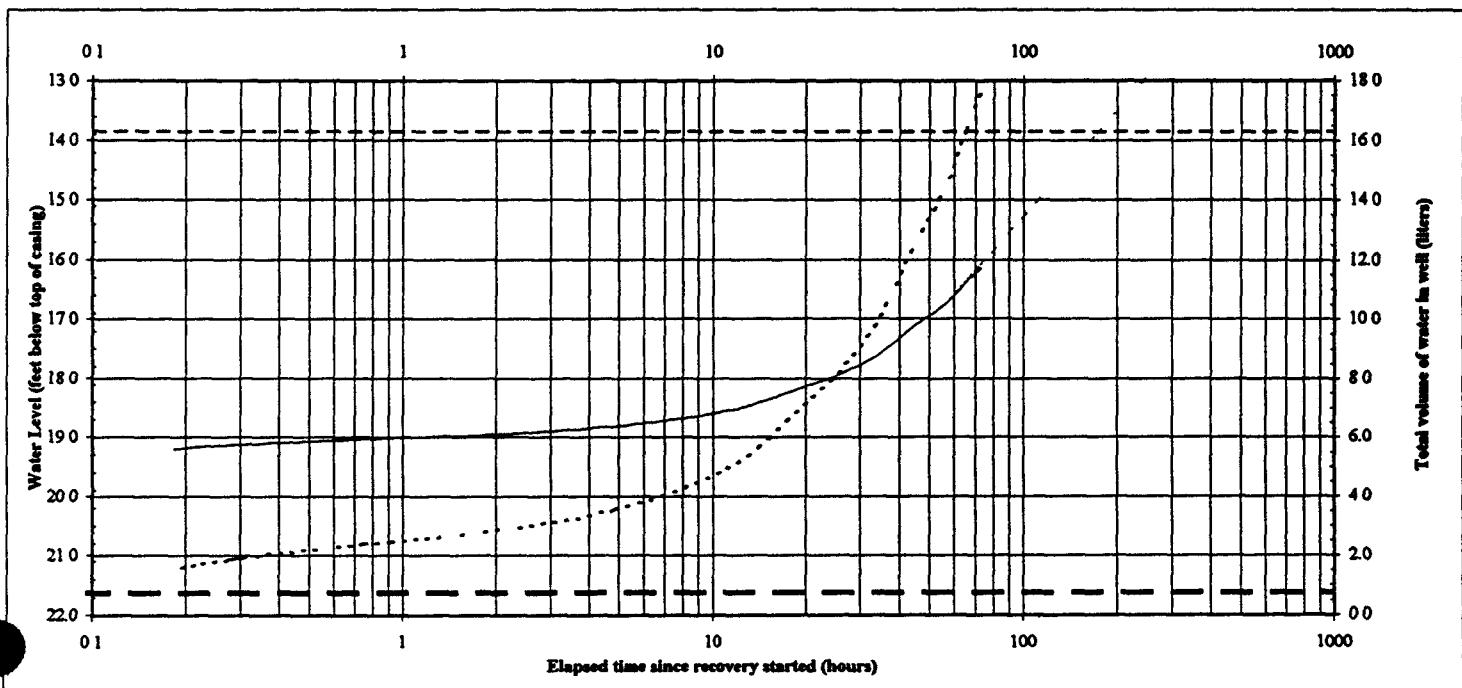
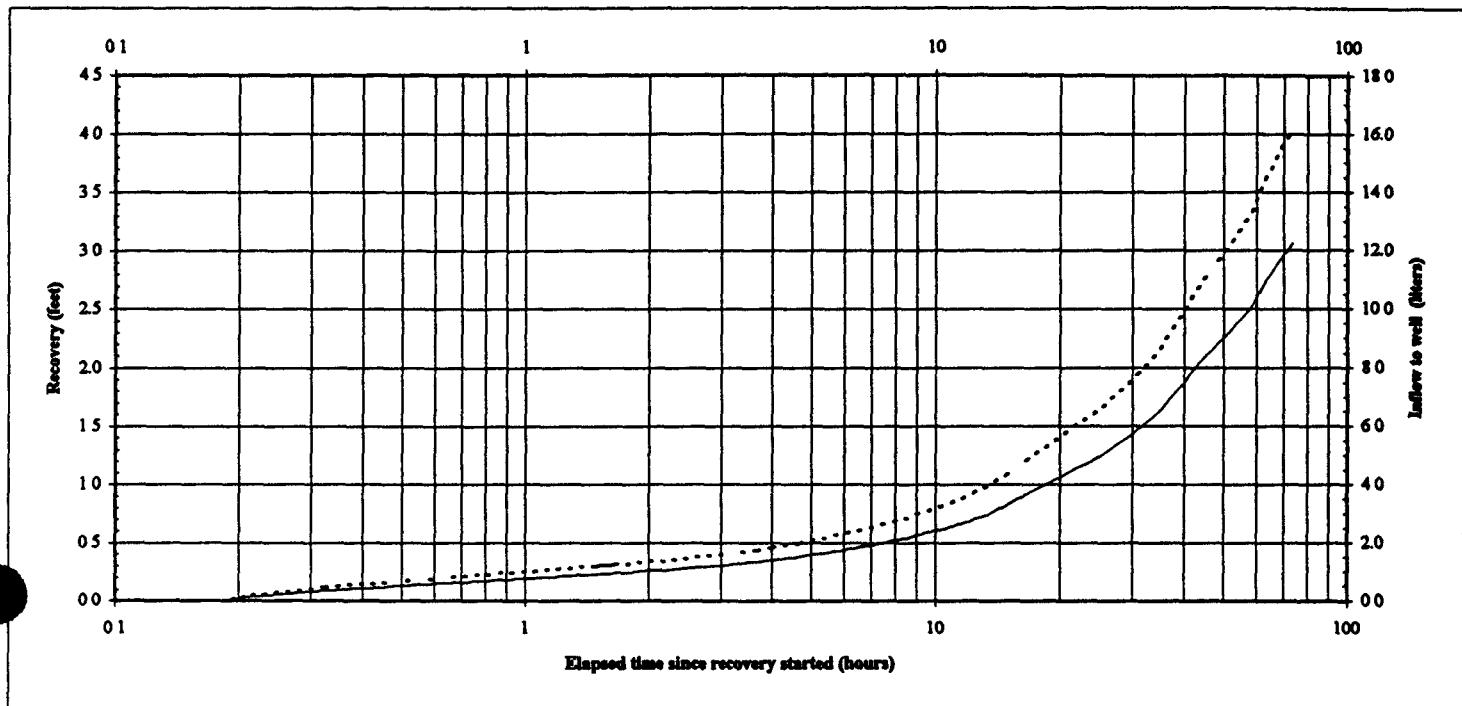
Measured recovery after sampling

Date: 20-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

00491

Date Sampled

2nd quarter

20 May 94

Final bail time	12:13	Delay	11 00	Minutes
Set transducer time	12:28			
Static Water Level (pre-sampling)	13.9	feet below top of casing		
Final water level (post-sampling)	13.1	feet below top of casing		
Last recorded water level	13.1	feet below transducer		
Transducer Reference Depth	19.2	feet below top of casing		
Bottom of well	21.6	feet below top of casing		
First recorded water level	13.9	feet below transducer		
First recorded water level	19.2	feet below top of casing		
Water column remaining in casing after purging	2.4	feet		
Volume remaining in casing after purging	1.5	liters		
Well Diameter	4.0	inches	0.792	feet
Well Radius	2.0	inches	0.396	feet
Casing Diameter	4.8	inches	0.167	feet
Casing radius	2.4	inches	0.083	feet
Effective well radius	2.9	inches	0.244	feet
Top of sandpack	1.0	feet below top of casing	0.62	liter/foot
			5.28	liter/foot

Input	data	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
Transducer Elapsed Time	(minutes)	Δ head (feet)	(hours)	final bail (minutes)	(Feet of water)	Inflow (Liters)	water in well (Liters)
0.000	0.000	0.1833	0.0000	0.000	19 20	0.00E+00	1.50
0.003	0.000	0.1834	0.0030	0.000	19 20	0.00E+00	1.50
0.007	0.000	0.1834	0.0060	0.000	19 20	0.00E+00	1.50
0.010	-0.010	0.1835	0.0090	0.010	19 19	5.28E-02	1.55
0.013	0.000	0.1836	0.0130	0.000	19 20	0.00E+00	1.50
0.017	0.000	0.1836	0.0160	0.000	19 20	0.00E+00	1.50
0.020	0.000	0.1837	0.0200	0.000	19 20	0.00E+00	1.50
0.023	0.000	0.1837	0.0230	0.000	19 20	0.00E+00	1.50
0.027	0.000	0.1838	0.0260	0.000	19 20	0.00E+00	1.50
0.030	0.000	0.1838	0.0300	0.000	19 20	0.00E+00	1.50
0.033	0.000	0.1839	0.0330	0.000	19 20	0.00E+00	1.50
0.050	0.000	0.1842	0.0500	0.000	19 20	0.00E+00	1.50
0.067	0.000	0.1844	0.0660	0.000	19 20	0.00E+00	1.50
0.083	0.000	0.1847	0.0830	0.000	19 20	0.00E+00	1.50
0.100	0.000	0.1850	0.1000	0.000	19 20	0.00E+00	1.50
0.117	0.000	0.1853	0.1160	0.000	19 20	0.00E+00	1.50
0.133	-0.010	0.1856	0.1330	0.010	19 19	5.28E-02	1.55
0.150	-0.010	0.1858	0.1500	0.010	19 19	5.28E-02	1.55
0.167	-0.010	0.1861	0.1660	0.010	19 19	5.28E-02	1.55
0.183	-0.010	0.1864	0.1830	0.010	19 19	5.28E-02	1.55
0.200	-0.010	0.1867	0.2000	0.010	19 19	5.28E-02	1.55
0.217	-0.010	0.1869	0.2160	0.010	19 19	5.28E-02	1.55
0.233	-0.010	0.1872	0.2330	0.010	19 19	5.28E-02	1.55
0.250	-0.010	0.1875	0.2500	0.010	19 19	5.28E-02	1.55
0.267	-0.010	0.1878	0.2660	0.010	19 19	5.28E-02	1.55
0.283	-0.010	0.1881	0.2830	0.010	19 19	5.28E-02	1.55
0.300	-0.010	0.1883	0.3000	0.010	19 19	5.28E-02	1.55
0.317	-0.010	0.1886	0.3160	0.010	19 19	5.28E-02	1.55
0.333	-0.010	0.1889	0.3330	0.010	19 19	5.28E-02	1.55
0.417	-0.010	0.1903	0.4160	0.010	19 19	5.28E-02	1.55
0.500	-0.010	0.1917	0.5000	0.010	19 19	5.28E-02	1.55
0.583	-0.010	0.1931	0.5830	0.010	19 19	5.28E-02	1.55
0.667	-0.020	0.1944	0.6660	0.020	19 18	1.06E-01	1.60
0.750	-0.020	0.1958	0.7500	0.020	19 18	1.06E-01	1.60
0.833	-0.020	0.1972	0.8330	0.020	19 18	1.06E-01	1.60
0.917	-0.020	0.1986	0.9160	0.020	19 18	1.06E-01	1.60
1.000	-0.020	0.2000	12.0000	0.020	19 18	1.06E-01	1.60
1.083	-0.020	0.2014	12.0830	0.020	19 18	1.06E-01	1.60
1.167	-0.030	0.2028	12.1660	0.030	19 17	1.58E-01	1.65

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 250	-0.020	0.2042	12.25000	0.020	19 18	1.06E-01	1 60
1 333	-0.030	0.2056	12.33330	0.030	19 17	1.58E-01	1 65
1 417	-0.030	0 2069	12.41660	0.030	19 17	1.58E-01	1 65
1 500	-0.030	0 2083	12.50000	0 030	19 17	1.58E-01	1 65
1 583	-0.030	0 2097	12.58330	0 030	19 17	1.58E-01	1 65
1 667	-0.030	0.2111	12.66670	0.030	19 17	1.58E-01	1 65
1 750	-0.030	0.2125	12.75000	0.030	19 17	1.58E-01	1 65
1 833	-0.040	0 2139	12.83330	0.040	19 16	2.11E-01	1 71
1 917	-0.040	0.2153	12.91670	0.040	19 16	2.11E-01	1 71
2.000	-0.040	0.2167	13 00000	0 040	19 16	2.11E-01	1 71
2.500	-0.040	0 2250	13.50000	0.040	19 16	2.11E-01	1 71
3.000	-0.050	0.2333	14 00000	0.050	19 15	2.64E-01	1 76
3.500	-0.050	0.2417	14 50000	0 050	19 15	2.64E-01	1 76
4.000	-0.060	0 2500	15 00000	0 060	19 14	3.17E-01	1 81
4.500	-0.060	0.2583	15.50000	0.060	19 14	3.17E-01	1 81
5.000	-0.060	0.2667	16.00000	0.060	19 14	3.17E-01	1 81
5.500	-0.070	0.2750	16.50000	0 070	19 13	3.70E-01	1 86
6.000	-0.070	0.2833	17 00000	0.070	19 13	3.70E-01	1 86
6.500	-0.080	0.2917	17 50000	0.080	19 12	4.22E-01	1 92
7.000	-0.080	0.3000	18 00000	0.080	19 12	4.22E-01	1 92
7.500	-0.080	0.3083	18.50000	0 080	19 12	4.22E-01	1 92
8.000	-0.090	0.3167	19 00000	0 090	19 11	4.75E-01	1 97
8.500	-0.090	0.3250	19 50000	0.090	19 11	4.75E-01	1 97
9.000	-0.090	0.3333	20 00000	0 090	19 11	4.75E-01	1 97
9.500	-0.090	0.3417	20.50000	0.090	19 11	4.75E-01	1 97
10.000	-0.100	0 3500	21 00000	0 100	19 10	5.28E-01	2.02
12.000	-0.110	0 3833	23 00000	0.110	19 09	5.81E-01	2.08
14.000	-0.110	0 4167	25 00000	0.110	19 09	5.81E-01	2.08
16.000	-0.120	0 4500	27 00000	0.120	19 08	6.34E-01	2.13
18.000	-0.130	0 4833	29 00000	0.130	19 07	6.86E-01	2.18
20.000	-0.130	0 5167	31 00000	0 130	19 07	6.86E-01	2.18
22.000	-0.140	0.5500	33 00000	0 140	19 06	7.39E-01	2.23
24.000	-0.140	0.5833	35 00000	0 140	19 06	7.39E-01	2.23
26.000	-0.150	0 6167	37 00000	0.150	19 05	7.92E-01	2.29
28.000	-0.150	0 6500	39 00000	0 150	19 05	7.92E-01	2.29
30.000	-0.160	0 6833	41 00000	0 160	19 04	8.45E-01	2.34
32.000	-0.160	0 7167	43 00000	0 160	19 04	8.45E-01	2.34
34.000	-0.170	0 7500	45 00000	0 170	19 03	8.98E-01	2.39
36.000	-0.170	0 7833	47 00000	0 170	19 03	8.98E-01	2.39
38.000	-0.170	0 8167	49 00000	0 170	19 03	8.98E-01	2.39
40.000	-0.180	0 8500	51 00000	0.180	19 02	9.51E-01	2.45
42.000	-0.180	0 8833	53 00000	0 180	19 02	9.51E-01	2.45
44.000	-0.180	0 9167	55 00000	0.180	19 02	9.51E-01	2.45
46.000	-0.190	0 9500	57 00000	0.190	19 01	1.00E+00	2.50
48.000	-0.190	0 9833	59 00000	0 190	19 01	1.00E+00	2.50
50.000	-0.190	1 0167	61 00000	0 190	19 01	1.00E+00	2.50
52.000	-0.190	1 0500	63 00000	0 190	19 01	1.00E+00	2.50
54.000	-0.200	1 0833	65 00000	0 200	19 00	1.06E+00	2.55
56.000	-0.200	1 1167	67 00000	0 200	19 00	1.06E+00	2.55
58.000	-0.200	1 1500	69 00000	0 200	19 00	1.06E+00	2.55
60.000	-0.200	1 1833	71 00000	0 200	19 00	1.06E+00	2.55
62.000	-0.210	1 2167	73 00000	0 210	18 99	1.11E+00	2.60
64.000	-0.210	1 2500	75 00000	0.210	18 99	1.11E+00	2.60
66.000	-0.210	1.2833	77 00000	0 210	18 99	1.11E+00	2.60
68.000	-0.210	1 3167	79 00000	0 210	18 99	1.11E+00	2.60
70.000	-0.220	1 3500	81 00000	0.220	18 98	1.16E+00	2.66
72.000	-0.220	1 3833	83 00000	0 220	18 98	1.16E+00	2.66
74.000	-0.220	1 4167	85 00000	0 220	18 98	1.16E+00	2.66
76.000	-0.220	1 4500	87 00000	0 220	18 98	1.16E+00	2.66
78.000	-0.220	1 4833	89 00000	0 220	18.98	1.16E+00	2.66
80.000	-0.230	1 5167	91 00000	0 230	18.97	1.21E+00	2.71
82.000	-0.230	1 5500	93 00000	0.230	18.97	1.21E+00	2.71
84.000	-0.230	1 5833	95 00000	0 230	18.97	1.21E+00	2.71
86.000	-0.230	1 6167	97 00000	0 230	18.97	1.21E+00	2.71
88.000	-0.240	1 6500	99 00000	0 240	18.96	1.27E+00	2.76
90.000	-0.240	1 6833	101 00000	0 240	18.96	1.27E+00	2.76
92.000	-0.240	1 7167	103 00000	0 240	18.96	1.27E+00	2.76
94.000	-0.240	1 7500	105 00000	0 240	18.96	1.27E+00	2.76
96.000	-0.240	1 7833	107 00000	0 240	18.96	1.27E+00	2.76
98.000	-0.240	1 8167	109 00000	0 240	18.96	1.27E+00	2.76
100.000	-0.250	1 8500	111 00000	0 250	18.95	1.32E+00	2.82
110.000	-0.260	2.0167	121 00000	0 260	18.94	1.37E+00	2.87
120.000	-0.260	2.1833	131 00000	0 260	18.94	1.37E+00	2.87

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
130 000	-0.270	2.3500	141 00000	0.270	18.93	1 43E+00	2.92
140 000	-0.280	2.5167	151 00000	0.280	18.92	1 48E+00	2.97
150 000	-0.290	2.6833	161 00000	0.290	18.91	1 53E+00	3.03
160 000	-0.300	2.8500	171 00000	0.300	18.90	1 58E+00	3.08
170 000	-0.300	3.0167	181 00000	0.300	18.90	1 58E+00	3.08
180 000	-0.310	3.1833	191 00000	0.310	18.89	1 64E+00	3.13
190 000	-0.320	3.3500	201 00000	0.320	18.88	1 69E+00	3.18
200 000	-0.330	3.5167	211 00000	0.330	18.87	1 74E+00	3.24
210 000	-0.330	3.6833	221 00000	0.330	18.87	1 74E+00	3.24
220 000	-0.340	3.8500	231 00000	0.340	18.86	1 80E+00	3.29
230 000	-0.350	4.0167	241 00000	0.350	18.85	1 85E+00	3.34
240 000	-0.360	4.1833	251 00000	0.360	18.84	1 90E+00	3.40
250 000	-0.370	4.3500	261 00000	0.370	18.83	1 95E+00	3.45
260 000	-0.370	4.5167	271 00000	0.370	18.83	1 95E+00	3.45
270 000	-0.380	4.6833	281 00000	0.380	18.82	2.01E+00	3.50
280 000	-0.390	4.8500	291 00000	0.390	18.81	2.06E+00	3.55
290 000	-0.400	5.0167	301 00000	0.400	18.80	2.11E+00	3.61
300 000	-0.400	5.1833	311 00000	0.400	18.80	2.11E+00	3.61
310 000	-0.410	5.3500	321 00000	0.410	18.79	2.17E+00	3.66
320 000	-0.420	5.5167	331 00000	0.420	18.78	2.22E+00	3.71
330 000	-0.430	5.6833	341 00000	0.430	18.77	2.27E+00	3.77
340 000	-0.430	5.8500	351 00000	0.430	18.77	2.27E+00	3.77
350 000	-0.440	6.0167	361 00000	0.440	18.76	2.32E+00	3.82
360 000	-0.450	6.1833	371 00000	0.450	18.75	2.38E+00	3.87
370 000	-0.450	6.3500	381 00000	0.450	18.75	2.38E+00	3.87
380 000	-0.460	6.5167	391 00000	0.460	18.74	2.43E+00	3.92
390 000	-0.470	6.6833	401 00000	0.470	18.73	2.48E+00	3.98
400 000	-0.480	6.8500	411 00000	0.480	18.72	2.53E+00	4.03
410 000	-0.480	7.0167	421 00000	0.480	18.72	2.53E+00	4.03
420 000	-0.490	7.1833	431 00000	0.490	18.71	2.59E+00	4.08
430 000	-0.500	7.3500	441 00000	0.500	18.70	2.64E+00	4.14
440 000	-0.500	7.5167	451 00000	0.500	18.70	2.64E+00	4.14
450 000	-0.510	7.6833	461 00000	0.510	18.69	2.69E+00	4.19
460 000	-0.520	7.8500	471 00000	0.520	18.68	2.75E+00	4.24
470 000	-0.520	8.0167	481 00000	0.520	18.68	2.75E+00	4.24
480 000	-0.530	8.1833	491 00000	0.530	18.67	2.80E+00	4.29
490 000	-0.540	8.3500	501 00000	0.540	18.66	2.85E+00	4.35
500 000	-0.540	8.5167	511 00000	0.540	18.66	2.85E+00	4.35
510 000	-0.550	8.6833	521 00000	0.550	18.65	2.90E+00	4.40
520 000	-0.560	8.8500	531 00000	0.560	18.64	2.96E+00	4.45
530 000	-0.570	9.0167	541 00000	0.570	18.63	3.01E+00	4.51
540 000	-0.570	9.1833	551 00000	0.570	18.63	3.01E+00	4.51
550 000	-0.580	9.3500	561 00000	0.580	18.62	3.06E+00	4.56
560 000	-0.590	9.5167	571 00000	0.590	18.61	3.12E+00	4.61
570 000	-0.590	9.6833	581 00000	0.590	18.61	3.12E+00	4.61
580 000	-0.600	9.8500	591 00000	0.600	18.60	3.17E+00	4.66
590 000	-0.600	10.0167	601 00000	0.600	18.60	3.17E+00	4.66
600 000	-0.610	10.1833	611 00000	0.610	18.59	3.22E+00	4.72
610 000	-0.620	10.3500	621 00000	0.620	18.58	3.27E+00	4.77
620 000	-0.620	10.5167	631 00000	0.620	18.58	3.27E+00	4.77
630 000	-0.630	10.6833	641 00000	0.630	18.57	3.33E+00	4.82
640 000	-0.640	10.8500	651 00000	0.640	18.56	3.38E+00	4.87
650 000	-0.640	11.0167	661 00000	0.640	18.56	3.38E+00	4.87
660 000	-0.650	11.1833	671 00000	0.650	18.55	3.43E+00	4.93
670 000	-0.660	11.3500	681 00000	0.660	18.54	3.49E+00	4.98
680 000	-0.660	11.5167	691 00000	0.660	18.54	3.49E+00	4.98
690 000	-0.670	11.6833	701 00000	0.670	18.53	3.54E+00	5.03
700 000	-0.680	11.8500	711 00000	0.680	18.52	3.59E+00	5.09
710 000	-0.680	12.0167	721 00000	0.680	18.52	3.59E+00	5.09
720 000	-0.690	12.1833	731 00000	0.690	18.51	3.64E+00	5.14
730 000	-0.700	12.3500	741 00000	0.700	18.50	3.70E+00	5.19
740 000	-0.710	12.5167	751 00000	0.710	18.49	3.75E+00	5.24
750 000	-0.710	12.6833	761 00000	0.710	18.49	3.75E+00	5.24
760 000	-0.720	12.8500	771 00000	0.720	18.48	3.80E+00	5.30
770 000	-0.730	13.0167	781 00000	0.730	18.47	3.85E+00	5.35
780 000	-0.740	13.1833	791 00000	0.740	18.46	3.91E+00	5.40
790 000	-0.740	13.3500	801 00000	0.740	18.46	3.91E+00	5.40
800 000	-0.750	13.5167	811 00000	0.750	18.45	3.96E+00	5.46
810 000	-0.760	13.6833	821 00000	0.760	18.44	4.01E+00	5.51
820 000	-0.770	13.8500	831 00000	0.770	18.43	4.07E+00	5.56
830 000	-0.780	14.0167	841 00000	0.780	18.42	4.12E+00	5.61
840 000	-0.790	14.1833	851 00000	0.790	18.41	4.17E+00	5.67
850 000	-0.800	14.3500	861 00000	0.800	18.40	4.22E+00	5.72

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
860.000	-0.800	14 5167	871 00000	0.800	18.40	4.22E+00	5.72
870.000	-0.810	14 6833	881 00000	0.810	18.39	4.28E+00	5.77
880.000	-0.820	14 8500	891 00000	0.820	18.38	4.33E+00	5.83
890.000	-0.830	15 0167	901 00000	0.830	18.37	4.38E+00	5.88
900.000	-0.840	15 1833	911 00000	0.840	18.36	4.44E+00	5.93
910.000	-0.850	15.3500	921 00000	0.850	18.35	4.49E+00	5.98
920.000	-0.860	15 5167	931 00000	0.860	18.34	4.54E+00	6.04
930.000	-0.870	15 6833	941 00000	0.870	18.33	4.59E+00	6.09
940.000	-0.880	15 8500	951 00000	0.880	18.32	4.65E+00	6.14
950.000	-0.880	16.0167	961 00000	0.880	18.32	4.65E+00	6.14
960.000	-0.890	16.1833	971 00000	0.890	18.31	4.70E+00	6.19
970.000	-0.900	16.3500	981 00000	0.900	18.30	4.75E+00	6.25
980.000	-0.910	16.5167	991 00000	0.910	18.29	4.81E+00	6.30
990.000	-0.920	16.6833	1001 00000	0.920	18.28	4.86E+00	6.35
1000.000	-0.930	16.8500	1011 00000	0.930	18.27	4.91E+00	6.41
1100.000	-1 000	18 5167	1111 00000	1 000	18.20	5.28E+00	6.78
1200.000	-1 070	20 1833	1211 00000	1 070	18.13	5.65E+00	7.15
1300.000	-1 140	21 8500	1311 00000	1 140	18.06	6.02E+00	7.52
1400.000	-1 190	23 5167	1411 00000	1 190	18.01	6.28E+00	7.78
1500.000	-1 250	25 1833	1511 00000	1 250	17.95	6.60E+00	8.10
1600.000	-1 320	26.8500	1611 00000	1.320	17.88	6.97E+00	8.47
1700.000	-1.380	28 5167	1711 00000	1.380	17.82	7.29E+00	8.78
1800.000	-1 440	30 1833	1811 00000	1 440	17.76	7.60E+00	9.10
1900.000	-1 510	31 8500	1911 00000	1 510	17.69	7.97E+00	9.47
2000.000	-1 570	33 5167	2011 00000	1 570	17.63	8.29E+00	9.79
2100.000	-1 640	35 1833	2111 00000	1 640	17.56	8.66E+00	10.16
2200.000	-1 730	36.8500	2211 00000	1 730	17.47	9.14E+00	10.63
2300.000	-1 810	38 5167	2311 00000	1 810	17.39	9.56E+00	11.05
2400.000	-1 880	40 1833	2411 00000	1 880	17.32	9.93E+00	11.42
2500.000	-1 970	41 8500	2511 00000	1 970	17.23	1.04E+01	11.90
2600.000	-2.040	43 5167	2611 00000	2.040	17.16	1.08E+01	12.27
2700.000	-2.100	45 1833	2711 00000	2.100	17.10	1.11E+01	12.58
2800.000	-2.150	46.8500	2811 00000	2.150	17.05	1.14E+01	12.85
2900.000	-2.210	48 5167	2911 00000	2.210	16.99	1.17E+01	13.17
3000.000	-2.260	50 1833	3011 00000	2.260	16.94	1.19E+01	13.43
3100.000	-2.310	51 8500	3111 00000	2.310	16.89	1.22E+01	13.69
3200.000	-2.370	53 5167	3211 00000	2.370	16.83	1.25E+01	14.01
3300.000	-2.420	55 1833	3311 00000	2.420	16.78	1.28E+01	14.27
3400.000	-2.470	56.8500	3411 00000	2.470	16.73	1.30E+01	14.54
3500.000	-2.530	58 5167	3511 00000	2.530	16.67	1.34E+01	14.86
3600.000	-2.610	60 1833	3611 00000	2.610	16.59	1.38E+01	15.28
3700.000	-2.680	61 8500	3711 00000	2.680	16.52	1.42E+01	15.65
3800.000	-2.750	63 5167	3811 00000	2.750	16.45	1.45E+01	16.02
3900.000	-2.810	65 1833	3911 00000	2.810	16.39	1.48E+01	16.33
4000.000	-2.870	66 8500	4011 00000	2.870	16.33	1.52E+01	16.65
4100.000	-2.920	68 5167	4111 00000	2.920	16.28	1.54E+01	16.91
4200.000	-2.970	70 1833	4211 00000	2.970	16.23	1.57E+01	17.18
4300.000	-3 020	71 8500	4311 00000	3 020	16.18	1.59E+01	17.44
4400.000	-3 070	73 5167	4411 00000	3 070	16.13	1.62E+01	17.71

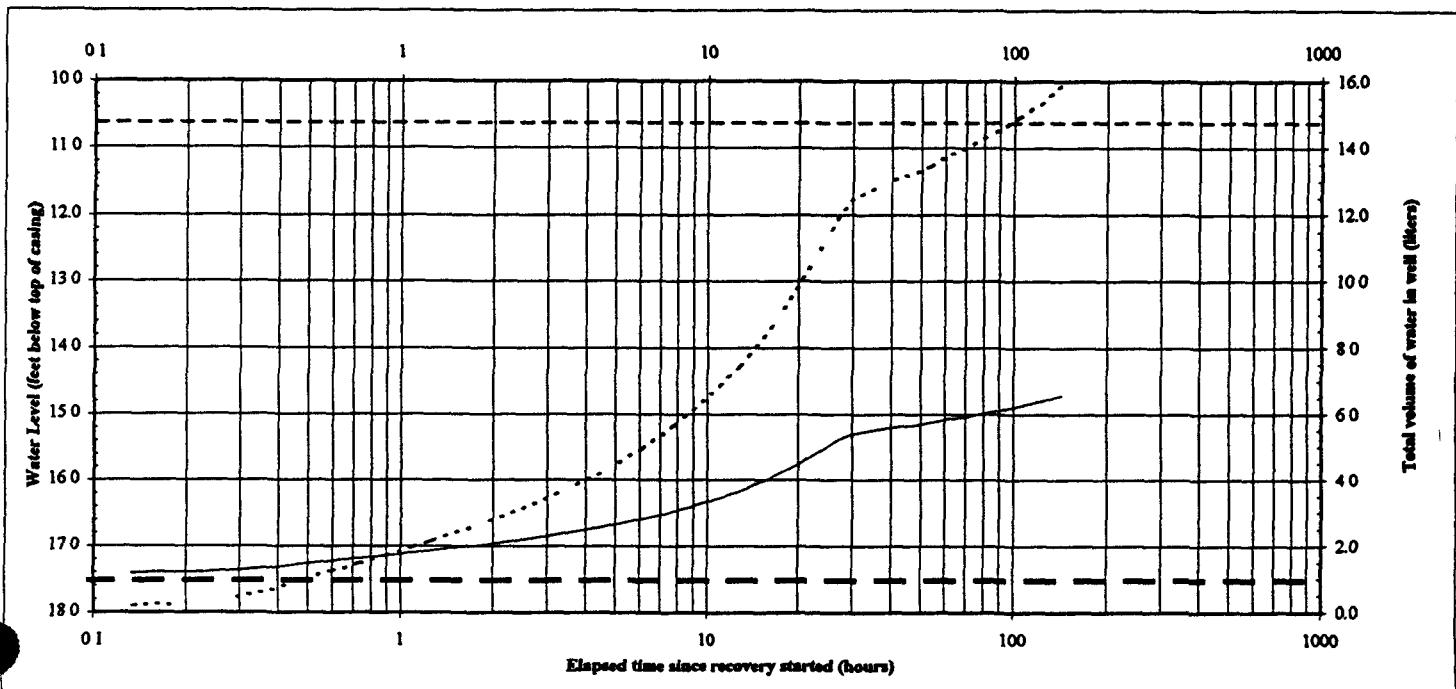
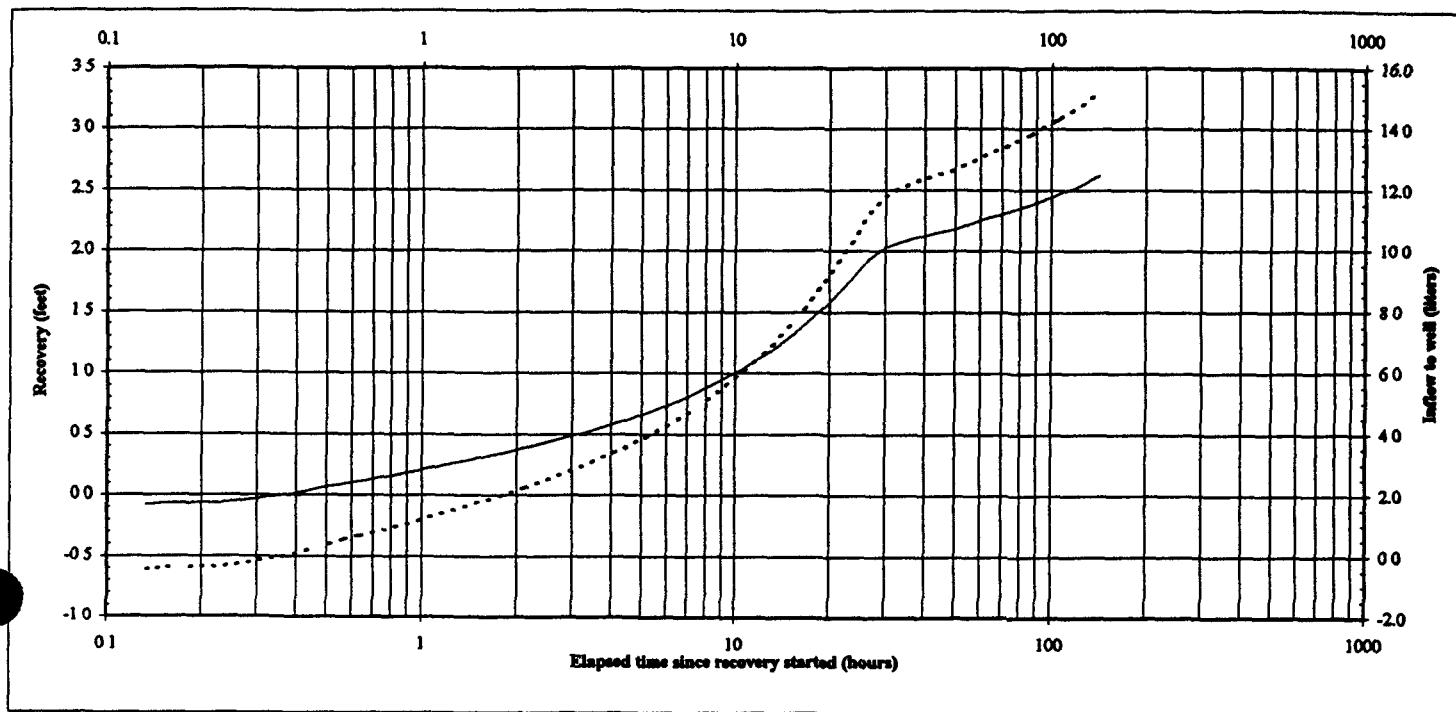
Well No. 01391

Measured recovery after sampling

Date: 16-May-94

2nd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well
 ——— Water Level
 Volume



Well No.

01391

Date Sampled

2nd quarter
16-May-94

Final bail time	16.24	Delay	8 00	Minutes
Set transducer time	16.22			
Static water level (pre-sampling)	16.24	feet below top of casing		
Final water level (post-recovery)	16.27	feet below top of casing		
Last recorded water level	16.4	feet below transducer		
Transducer Reference Depth	17.3	feet below top of casing		
Bottom of well	17.3	feet below top of casing		
First recorded water level	16.4	feet below transducer		
First recorded water level	17.4	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.6	liters		
Well diameter	10.5	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	5.3	feet below top of casing	0.62 5.81	liters/foot liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (seconds)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0.075	0 1333	8 00000	-0 075	17 41		
0 003	0.078	0 1334	8 00330	-0 078	17 41	-4 53E-01	0.19
0 007	0.078	0 1334	8 00660	-0 078	17 41	-4.53E-01	0.19
0 010	0.078	0 1335	8 01000	-0 078	17 41	-4 53E-01	0.19
0 013	0.078	0.1336	8.01330	-0 078	17 41	-4 53E-01	0.19
0 017	0.078	0 1336	8 01660	-0 078	17 41	-4 53E-01	0.19
0 020	0.078	0 1337	8 02000	-0 078	17 41	-4 53E-01	0.19
0 023	0.078	0 1337	8 02330	-0 078	17 41	-4 53E-01	0.19
0 027	0.078	0 1338	8 02660	-0 078	17 41	-4 53E-01	0.19
0 030	0.075	0 1338	8 03000	-0.075	17 41	-4 36E-01	0.20
0 033	0.078	0 1339	8 03330	-0 078	17 41	-4 53E-01	0.19
0 037	0.078	0.1339	8 03660	-0 078	17 41	-4 53E-01	0.19
0 040	0.075	0 1340	8 04000	-0 075	17 41	-4.36E-01	0.20
0 043	0.075	0 1341	8 04330	-0 075	17 41	-4 36E-01	0.20
0 047	0.075	0 1341	8 04660	-0 075	17 41	-4 36E-01	0.20
0 050	0.075	0 1342	8 05000	-0 075	17 41	-4.36E-01	0.20
0 053	0.078	0 1342	8 05330	-0 078	17 41	-4.53E-01	0.19
0 057	0.078	0 1343	8 05660	-0 078	17 41	-4 53E-01	0.19
0 060	0.078	0 1343	8 06000	-0 078	17 41	-4 53E-01	0.19
0 063	0.078	0 1344	8 06330	-0 078	17 41	-4 53E-01	0.19
0 067	0.078	0 1344	8 06660	-0 078	17 41	-4 53E-01	0.19
0 070	0.078	0 1345	8 07000	-0 078	17 41	-4 53E-01	0.19
0 073	0.078	0 1346	8 07330	-0 078	17 41	-4 53E-01	0.19
0 077	0.075	0 1346	8 07660	-0 075	17 41	-4 36E-01	0.20
0 080	0.078	0 1347	8 08000	-0 078	17 41	-4 53E-01	0.19
0 083	0.075	0 1347	8 08330	-0 075	17 41	-4.36E-01	0.20
0 087	0.075	0 1348	8 08660	-0 075	17 41	-4 36E-01	0.20
0 090	0.075	0 1348	8 09000	-0 075	17 41	-4 36E-01	0.20
0 093	0.078	0 1349	8 09330	-0 078	17 41	-4 53E-01	0.19
0 097	0.075	0 1349	8 09660	-0 075	17 41	-4.36E-01	0.20
0 100	0.075	0 1350	8 10000	-0 075	17 41	-4.36E-01	0.20
0 103	0.075	0 1351	8 10330	-0 075	17 41	-4 36E-01	0.20
0 107	0.078	0 1351	8 10660	-0 078	17 41	-4 53E-01	0.19
0 110	0.078	0 1352	8 11000	-0 078	17 41	-4 53E-01	0.19
0 113	0.078	0 1352	8 11330	-0 078	17 41	-4 53E-01	0.19
0 117	0.078	0 1353	8 11660	-0 078	17 41	-4 53E-01	0.19
0 120	0.075	0 1353	8 12000	-0 075	17 41	-4.36E-01	0.20
0 123	0.075	0 1354	8 12330	-0 075	17 41	-4 36E-01	0.20

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
	0.127	0.075	0 1354	8.12660	-0.075	17 41	-4 36E-01	0.20
	0 130	0.075	0 1355	8 13000	-0.075	17 41	-4 53E-01	0.19
	0.133	0.075	0 1356	8 13330	-0.075	17 41	-4 53E-01	0.19
	0.137	0.075	0 1356	8.13660	-0.075	17 41	-4 53E-01	0.19
	0.140	0.075	0 1357	8 14000	-0.075	17 41	-4.36E-01	0.20
	0 143	0.075	0 1357	8.14330	-0.075	17 41	-4.36E-01	0.20
	0 147	0.075	0.1358	8.14660	-0.075	17 41	-4.36E-01	0.20
	0 150	0.075	0.1358	8.15000	-0.075	17 41	-4.36E-01	0.20
	0.153	0.075	0.1359	8.15330	-0.075	17 41	-4.36E-01	0.20
	0.157	0.075	0.1359	8.15660	-0.075	17 41	-4.36E-01	0.20
	0.160	0.075	0.1360	8 16000	-0.075	17 41	-4.36E-01	0.20
	0 163	0.075	0 1361	8 16330	-0.075	17 41	-4 36E-01	0.20
	0 167	0.075	0 1361	8 16660	-0.075	17 41	-4 36E-01	0.20
	0 170	0.075	0.1362	8 17000	-0.075	17 41	-4.36E-01	0.20
	0.173	0.075	0.1362	8 17330	-0.075	17 41	-4.36E-01	0.20
	0.177	0.075	0 1363	8.17660	-0.075	17 41	-4.36E-01	0.20
	0 180	0.075	0 1363	8.18000	-0.075	17 41	-4.36E-01	0.20
	0 183	0.075	0.1364	8.18330	-0.075	17 41	-4.36E-01	0.20
	0 187	0.075	0 1364	8.18660	-0.075	17 41	-4 36E-01	0.20
	0 190	0.075	0 1365	8 19000	-0.075	17 41	-4 36E-01	0.20
	0.193	0.075	0.1366	8 19330	-0.075	17 41	-4 36E-01	0.20
	0 197	0.075	0 1366	8 19660	-0.075	17 41	-4 53E-01	0.19
	0.200	0.075	0 1367	8.20000	-0.075	17 41	-4.36E-01	0.20
	0 203	0.075	0 1367	8 20330	-0.075	17 41	-4.36E-01	0.20
	0 207	0.075	0 1368	8 20660	-0.075	17 41	-4.36E-01	0.20
	0 210	0.075	0 1368	8 21000	-0.075	17 41	-4.36E-01	0.20
	0 213	0.075	0 1369	8 21330	-0.075	17 41	-4.36E-01	0.20
	0.217	0.075	0.1369	8.21660	-0.075	17 41	-4 36E-01	0.20
	0.220	0.075	0.1370	8 22000	-0.075	17 41	-4 36E-01	0.20
	0 223	0.075	0 1371	8 22330	-0.075	17 41	-4 36E-01	0.20
	0.227	0.075	0.1371	8 22660	-0.075	17 41	-4.36E-01	0.20
	0 230	0.075	0 1372	8 23000	-0.075	17 41	-4.36E-01	0.20
	0 233	0.075	0 1372	8 23330	-0.075	17 41	-4 36E-01	0.20
	0 237	0.075	0 1373	8 23660	-0.075	17 41	-4 53E-01	0.19
	0 240	0.075	0.1373	8 24000	-0.075	17 41	-4 36E-01	0.20
	0 243	0.075	0 1374	8.24330	-0.075	17 41	-4.36E-01	0.20
	0 247	0.075	0 1374	8.24660	-0.075	17 41	-4.36E-01	0.20
	0 250	0.075	0 1375	8.25000	-0.075	17 41	-4 36E-01	0.20
	0 253	0.075	0 1376	8 25330	-0.075	17 41	-4 36E-01	0.20
	0 257	0.075	0 1376	8 25660	-0.075	17 41	-4 36E-01	0.20
	0 260	0.075	0 1377	8 26000	-0.075	17 41	-4 36E-01	0.20
	0 263	0.075	0 1377	8 26330	-0.075	17 41	-4 36E-01	0.20
	0 267	0.075	0 1378	8.26660	-0.075	17 41	-4.36E-01	0.20
	0 270	0.075	0 1378	8 27000	-0.075	17 41	-4.36E-01	0.20
	0 273	0.075	0 1379	8 27330	-0.075	17 41	-4.36E-01	0.20
	0 277	0.075	0 1379	8 27660	-0.075	17 41	-4.36E-01	0.20
	0 280	0.075	0 1380	8 28000	-0.075	17 41	-4 36E-01	0.20
	0 283	0.075	0 1381	8 28330	-0.075	17 41	-4 36E-01	0.20
	0 287	0.075	0 1381	8 28660	-0.075	17 41	-4.36E-01	0.20
	0 290	0.075	0 1382	8 29000	-0.075	17 41	-4 36E-01	0.20
	0 293	0.075	0 1382	8 29330	-0.075	17 41	-4 36E-01	0.20
	0 297	0.075	0 1383	8 29660	-0.075	17 41	-4.36E-01	0.20
	0.300	0.075	0 1383	8.30000	-0.075	17 41	-4.36E-01	0.20
	0 303	0.075	0 1384	8 30330	-0.075	17 41	-4.36E-01	0.20
	0 307	0.075	0 1384	8 30660	-0.075	17 41	-4 36E-01	0.20
	0 310	0.075	0 1385	8 31000	-0.075	17 41	-4.36E-01	0.20
	0 313	0.075	0 1386	8 31330	-0.075	17 41	-4.36E-01	0.20
	0.317	0.075	0 1386	8 31660	-0.075	17 41	-4 36E-01	0.20
	0.320	0.075	0 1387	8 32000	-0.075	17 41	-4.36E-01	0.20
	0.323	0.075	0 1387	8.32330	-0.075	17 41	-4.36E-01	0.20
	0 327	0.075	0.1388	8.32660	-0.075	17 41	-4.36E-01	0.20
	0 330	0.075	0 1388	8.33000	-0.075	17 41	-4 36E-01	0.20
	0.333	0.075	0.1389	8 33330	-0.075	17 41	-4 36E-01	0.20
	0 350	0.075	0 1392	8 35000	-0.075	17 41	-4.36E-01	0.20
	0 367	0.075	0 1394	8.36660	-0.075	17 41	-4.36E-01	0.20
	0 383	0.075	0 1397	8.38330	-0.075	17 41	-4 36E-01	0.20
	0 400	0.075	0 1400	8 40000	-0.075	17 41	-4 36E-01	0.20
	0 417	0.075	0 1403	8 41660	-0.075	17 41	-4 36E-01	0.20
	0 433	0.075	0 1406	8.43330	-0.075	17 41	-4 36E-01	0.20
	0 450	0.075	0 1408	8 45000	-0.075	17 41	-4.36E-01	0.20
	0 467	0.075	0 1411	8.46660	-0.075	17 41	-4.36E-01	0.20
	0 483	0.072	0 1414	8.48330	-0.072	17 41	-4 18E-01	0.22

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ft m)	Inflow (liters)	water in well (liters)
0.500	0.072	0.1417	8.50000	-0.072	17.41	-4.18E-01	0.22	
0.517	0.075	0.1419	8.51660	-0.075	17.41	-4.36E-01	0.20	
0.533	0.072	0.1422	8.53330	-0.072	17.41	-4.18E-01	0.22	
0.550	0.072	0.1425	8.55000	-0.072	17.41	-4.18E-01	0.22	
0.567	0.072	0.1428	8.56660	-0.072	17.41	-4.18E-01	0.22	
0.583	0.072	0.1431	8.58330	-0.072	17.41	-4.18E-01	0.22	
0.600	0.072	0.1433	8.60000	-0.072	17.41	-4.18E-01	0.22	
0.617	0.072	0.1436	8.61660	-0.072	17.41	-4.18E-01	0.22	
0.633	0.072	0.1439	8.63330	-0.072	17.41	-4.18E-01	0.22	
0.650	0.072	0.1442	8.65000	-0.072	17.41	-4.18E-01	0.22	
0.667	0.072	0.1444	8.66660	-0.072	17.41	-4.18E-01	0.22	
0.683	0.072	0.1447	8.68330	-0.072	17.41	-4.18E-01	0.22	
0.700	0.072	0.1450	8.70000	-0.072	17.41	-4.18E-01	0.22	
0.717	0.072	0.1453	8.71660	-0.072	17.41	-4.18E-01	0.22	
0.733	0.072	0.1456	8.73330	-0.072	17.41	-4.18E-01	0.22	
0.750	0.072	0.1458	8.75000	-0.072	17.41	-4.18E-01	0.22	
0.767	0.072	0.1461	8.76660	-0.072	17.41	-4.18E-01	0.22	
0.783	0.072	0.1464	8.78330	-0.072	17.41	-4.18E-01	0.22	
0.800	0.072	0.1467	8.80000	-0.072	17.41	-4.18E-01	0.22	
0.817	0.072	0.1469	8.81660	-0.072	17.41	-4.18E-01	0.22	
0.833	0.069	0.1472	8.83330	-0.069	17.40	-4.01E-01	0.24	
0.850	0.069	0.1475	8.85000	-0.069	17.40	-4.01E-01	0.24	
0.867	0.069	0.1478	8.86660	-0.069	17.40	-4.01E-01	0.24	
0.883	0.069	0.1481	8.88330	-0.069	17.40	-4.01E-01	0.24	
0.900	0.072	0.1483	8.90000	-0.072	17.41	-4.18E-01	0.22	
0.917	0.069	0.1486	8.91660	-0.069	17.40	-4.01E-01	0.24	
0.933	0.069	0.1489	8.93330	-0.069	17.40	-4.01E-01	0.24	
0.950	0.069	0.1492	8.95000	-0.069	17.40	-4.01E-01	0.24	
0.967	0.069	0.1494	8.96660	-0.069	17.40	-4.01E-01	0.24	
0.983	0.069	0.1497	8.98330	-0.069	17.40	-4.01E-01	0.24	
1.000	0.069	0.1500	9.00000	-0.069	17.40	-4.01E-01	0.24	
1.200	0.066	0.1533	9.20000	-0.066	17.40	-3.83E-01	0.26	
1.400	0.066	0.1567	9.40000	-0.066	17.40	-3.83E-01	0.26	
1.600	0.066	0.1600	9.60000	-0.066	17.40	-3.83E-01	0.26	
1.800	0.066	0.1633	9.80000	-0.066	17.40	-3.83E-01	0.26	
2.000	0.066	0.1667	10.00000	-0.066	17.40	-3.83E-01	0.26	
2.200	0.066	0.1700	10.20000	-0.066	17.40	-3.83E-01	0.26	
2.400	0.069	0.1733	10.40000	-0.069	17.40	-4.01E-01	0.24	
2.600	0.069	0.1767	10.60000	-0.069	17.40	-4.01E-01	0.24	
2.800	0.075	0.1800	10.80000	-0.075	17.41	-4.36E-01	0.20	
3.000	0.072	0.1833	11.00000	-0.072	17.41	-4.18E-01	0.22	
3.200	0.062	0.1867	11.20000	-0.062	17.40	-3.60E-01	0.28	
3.400	0.062	0.1900	11.40000	-0.062	17.40	-3.60E-01	0.28	
3.600	0.062	0.1933	11.60000	-0.062	17.40	-3.60E-01	0.28	
3.800	0.062	0.1967	11.80000	-0.062	17.40	-3.60E-01	0.28	
4.000	0.062	0.2000	12.00000	-0.062	17.40	-3.60E-01	0.28	
4.200	0.062	0.2033	12.20000	-0.062	17.40	-3.60E-01	0.28	
4.400	0.062	0.2067	12.40000	-0.062	17.40	-3.60E-01	0.28	
4.600	0.062	0.2100	12.60000	-0.062	17.40	-3.60E-01	0.28	
4.800	0.066	0.2133	12.80000	-0.066	17.40	-3.83E-01	0.26	
5.000	0.062	0.2167	13.00000	-0.062	17.40	-3.60E-01	0.28	
5.200	0.062	0.2200	13.20000	-0.062	17.40	-3.60E-01	0.28	
5.400	0.066	0.2233	13.40000	-0.066	17.40	-3.83E-01	0.26	
5.600	0.066	0.2267	13.60000	-0.066	17.40	-3.83E-01	0.26	
5.800	0.066	0.2300	13.80000	-0.066	17.40	-3.83E-01	0.26	
6.000	0.062	0.2333	14.00000	-0.062	17.40	-3.60E-01	0.28	
6.200	0.059	0.2367	14.20000	-0.059	17.39	-3.43E-01	0.30	
6.400	0.056	0.2400	14.40000	-0.056	17.39	-3.25E-01	0.31	
6.600	0.056	0.2433	14.60000	-0.056	17.39	-3.25E-01	0.31	
6.800	0.053	0.2467	14.80000	-0.053	17.39	-3.08E-01	0.33	
7.000	0.050	0.2500	15.00000	-0.050	17.39	-2.90E-01	0.35	
7.200	0.050	0.2533	15.20000	-0.050	17.39	-2.90E-01	0.35	
7.400	0.050	0.2567	15.40000	-0.050	17.39	-2.90E-01	0.35	
7.600	0.047	0.2600	15.60000	-0.047	17.38	-2.73E-01	0.37	
7.800	0.044	0.2633	15.80000	-0.044	17.38	-2.56E-01	0.38	
8.000	0.044	0.2667	16.00000	-0.044	17.38	-2.56E-01	0.38	
8.200	0.044	0.2700	16.20000	-0.044	17.38	-2.56E-01	0.38	
8.400	0.040	0.2733	16.40000	-0.040	17.38	-2.32E-01	0.41	
8.600	0.040	0.2767	16.60000	-0.040	17.38	-2.32E-01	0.41	
8.800	0.037	0.2800	16.80000	-0.037	17.37	-2.15E-01	0.42	
9.000	0.037	0.2833	17.00000	-0.037	17.37	-2.15E-01	0.42	
9.200	0.034	0.2867	17.20000	-0.034	17.37	-1.97E-01	0.44	

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time								
9 400	0.034	0.2900	17 40000	-0.034	17.37	-1.97E-01	0.44		
9 600	0.031	0.2933	17 60000	-0.031	17.37	-1.80E-01	0.46		
9 800	0.031	0.2967	17 80000	-0.031	17.37	-1.80E-01	0.46		
10 000	0.028	0.3000	18 00000	-0.028	17.36	-1.63E-01	0.48		
12,000	0.012	0.3333	20 00000	-0.012	17.35	-6.97E-02	0.57		
14,000	0.000	0.3667	22 00000	0.000	17.34	0.00E+00	0.64		
16,000	-0.018	0.4000	24 00000	0.018	17.32	1.05E-01	0.74		
18,000	-0.034	0.4333	26 00000	0.034	17.30	1.97E-01	0.84		
20,000	-0.053	0.4667	28 00000	0.053	17.28	3.08E-01	0.95		
22,000	-0.066	0.5000	30 00000	0.066	17.27	3.83E-01	1.02		
24,000	-0.078	0.5333	32 00000	0.078	17.26	4.53E-01	1.09		
26,000	-0.094	0.5667	34 00000	0.094	17.24	5.46E-01	1.18		
28,000	-0.106	0.6000	36 00000	0.106	17.23	6.16E-01	1.25		
30,000	-0.116	0.6333	38 00000	0.116	17.22	6.74E-01	1.31		
32,000	-0.122	0.6667	40 00000	0.122	17.21	7.09E-01	1.35		
34,000	-0.135	0.7000	42 00000	0.135	17.20	7.84E-01	1.42		
36,000	-0.144	0.7333	44 00000	0.144	17.19	8.36E-01	1.48		
38,000	-0.150	0.7667	46 00000	0.150	17.19	8.71E-01	1.51		
40,000	-0.160	0.8000	48 00000	0.160	17.18	9.29E-01	1.57		
42,000	-0.169	0.8333	50 00000	0.169	17.17	9.82E-01	1.62		
44,000	-0.176	0.8667	52 00000	0.176	17.16	1.02E+00	1.66		
46,000	-0.185	0.9000	54 00000	0.185	17.15	1.07E+00	1.71		
48,000	-0.191	0.9333	56 00000	0.191	17.14	1.11E+00	1.75		
50,000	-0.198	0.9667	58 00000	0.198	17.14	1.15E+00	1.79		
52,000	-0.210	1 0000	60 00000	0.210	17.13	1.22E+00	1.86		
54,000	-0.216	1 0333	62 00000	0.216	17.12	1.25E+00	1.89		
56,000	-0.223	1 0667	64 00000	0.223	17.11	1.30E+00	1.93		
58,000	-0.229	1 1000	66 00000	0.229	17.11	1.33E+00	1.97		
60,000	-0.235	1 1333	68 00000	0.235	17.10	1.36E+00	2.00		
62,000	-0.245	1 1667	70 00000	0.245	17.09	1.42E+00	2.06		
64,000	-0.251	1 2000	72 00000	0.251	17.08	1.46E+00	2.10		
66,000	-0.257	1 2333	74 00000	0.257	17.08	1.49E+00	2.13		
68,000	-0.264	1 2667	76 00000	0.264	17.07	1.53E+00	2.17		
70,000	-0.270	1.3000	78 00000	0.270	17.07	1.57E+00	2.21		
72,000	-0.276	1.3333	80 00000	0.276	17.06	1.60E+00	2.24		
74,000	-0.279	1.3667	82 00000	0.279	17.06	1.62E+00	2.26		
76,000	-0.286	1 4000	84 00000	0.286	17.05	1.66E+00	2.30		
78,000	-0.292	1 4333	86 00000	0.292	17.04	1.70E+00	2.33		
80,000	-0.298	1 4667	88 00000	0.298	17.04	1.73E+00	2.37		
82,000	-0.305	1 5000	90 00000	0.305	17.03	1.77E+00	2.41		
84,000	-0.308	1 5333	92 00000	0.308	17.03	1.79E+00	2.43		
86,000	-0.314	1 5667	94 00000	0.314	17.02	1.82E+00	2.46		
88,000	-0.317	1 6000	96 00000	0.317	17.02	1.84E+00	2.48		
90,000	-0.323	1 6333	98 00000	0.323	17.01	1.88E+00	2.51		
92,000	-0.327	1 6667	100 00000	0.327	17.01	1.90E+00	2.54		
94,000	-0.333	1 7000	102 00000	0.333	17.00	1.93E+00	2.57		
96,000	-0.333	1 7333	104 00000	0.333	17.00	1.93E+00	2.57		
98,000	-0.342	1 7667	106 00000	0.342	16.99	1.99E+00	2.63		
100,000	-0.345	1 8000	108 00000	0.345	16.99	2.00E+00	2.64		
120,000	-0.389	2.1333	128 00000	0.389	16.95	2.26E+00	2.90		
140,000	-0.430	2.4667	148 00000	0.430	16.91	2.50E+00	3.14		
160,000	-0.465	2.8000	168 00000	0.465	16.87	2.70E+00	3.34		
180,000	-0.499	3 1333	188 00000	0.499	16.84	2.90E+00	3.54		
200,000	-0.531	3 4667	208 00000	0.531	16.80	3.08E+00	3.72		
220,000	-0.562	3 8000	228 00000	0.562	16.77	3.26E+00	3.90		
240,000	-0.591	4 1333	248 00000	0.591	16.74	3.43E+00	4.07		
260,000	-0.613	4 4667	268 00000	0.613	16.72	3.56E+00	4.20		
280,000	-0.644	4 8000	288 00000	0.644	16.69	3.74E+00	4.38		
300,000	-0.669	5 1333	308 00000	0.669	16.67	3.89E+00	4.52		
320,000	-0.694	5 4667	328 00000	0.694	16.64	4.03E+00	4.67		
340,000	-0.720	5 8000	348 00000	0.720	16.62	4.18E+00	4.82		
360,000	-0.742	6.1333	368 00000	0.742	16.59	4.31E+00	4.95		
380,000	-0.767	6 4667	388 00000	0.767	16.57	4.45E+00	5.09		
400,000	-0.795	6.8000	408 00000	0.795	16.54	4.62E+00	5.26		
420,000	-0.814	7 1333	428 00000	0.814	16.52	4.73E+00	5.37		
440,000	-0.839	7 4667	448 00000	0.839	16.50	4.87E+00	5.51		
460,000	-0.864	7 8000	468 00000	0.864	16.47	5.02E+00	5.66		
480,000	-0.886	8 1333	488 00000	0.886	16.45	5.15E+00	5.78		
500,000	-0.908	8.4667	508 00000	0.908	16.43	5.27E+00	5.91		
520,000	-0.930	8 8000	528 00000	0.930	16.41	5.40E+00	6.04		
540,000	-0.952	9 1333	548 00000	0.952	16.38	5.53E+00	6.17		
560,000	-0.974	9 4667	568 00000	0.974	16.36	5.66E+00	6.30		

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
580.000	-0.993	9.8000	588.00000	0.993	16.34	5 77E+00	6.41	
600.000	-1.012	10.1333	608.00000	1.012	16.32	5 88E+00	6.52	
620.000	-1.034	10.4667	628.00000	1.034	16.30	6.01E+00	6.64	
640.000	-1.053	10.8000	648.00000	1.053	16.28	6.12E+00	6.75	
660.000	-1.072	11.1333	668.00000	1.072	16.26	6.23E+00	6.86	
680.000	-1.091	11.4667	688.00000	1.091	16.24	6.34E+00	6.98	
700.000	-1.113	11.8000	708.00000	1.113	16.22	6.46E+00	7.10	
720.000	-1.132	12.1333	728.00000	1.132	16.20	6.57E+00	7.21	
740.000	-1.147	12.4667	748.00000	1.147	16.19	6.66E+00	7.30	
760.000	-1.169	12.8000	768.00000	1.169	16.17	6.79E+00	7.43	
780.000	-1.188	13.1333	788.00000	1.188	16.15	6.90E+00	7.54	
800.000	-1.207	13.4667	808.00000	1.207	16.13	7.01E+00	7.65	
820.000	-1.226	13.8000	828.00000	1.226	16.11	7.12E+00	7.76	
840.000	-1.248	14.1333	848.00000	1.248	16.09	7.25E+00	7.89	
860.000	-1.267	14.4667	868.00000	1.267	16.07	7.36E+00	8.00	
880.000	-1.286	14.8000	888.00000	1.286	16.05	7.47E+00	8.11	
900.000	-1.305	15.1333	908.00000	1.305	16.03	7.58E+00	8.22	
920.000	-1.323	15.4667	928.00000	1.323	16.01	7.69E+00	8.32	
940.000	-1.342	15.8000	948.00000	1.342	15.99	7.79E+00	8.43	
960.000	-1.361	16.1333	968.00000	1.361	15.97	7.90E+00	8.54	
980.000	-1.383	16.4667	988.00000	1.383	15.95	8.03E+00	8.67	
1000.000	-1.402	16.8000	1008.00000	1.402	15.93	8.14E+00	8.78	
1200.000	-1.588	20.1333	1208.00000	1.588	15.75	9.22E+00	9.86	
1400.000	-1.767	23.4667	1408.00000	1.767	15.57	1.03E+01	10.90	
1600.000	-1.937	26.8000	1608.00000	1.937	15.40	1.12E+01	11.89	
1800.000	-2.034	30.1333	1808.00000	2.034	15.30	1.18E+01	12.45	
2000.000	-2.075	33.4667	2008.00000	2.075	15.26	1.21E+01	12.69	
2200.000	-2.106	36.8000	2208.00000	2.106	15.23	1.22E+01	12.87	
2400.000	-2.132	40.1333	2408.00000	2.132	15.20	1.24E+01	13.02	
2600.000	-2.154	43.4667	2608.00000	2.154	15.18	1.25E+01	13.15	
2800.000	-2.166	46.8000	2808.00000	2.166	15.17	1.26E+01	13.22	
3000.000	-2.185	50.1333	3008.00000	2.185	15.15	1.27E+01	13.33	
3200.000	-2.210	53.4667	3208.00000	2.210	15.13	1.28E+01	13.47	
3400.000	-2.229	56.8000	3408.00000	2.229	15.11	1.29E+01	13.58	
3600.000	-2.254	60.1333	3608.00000	2.254	15.08	1.31E+01	13.73	
3800.000	-2.273	63.4667	3808.00000	2.273	15.06	1.32E+01	13.84	
4000.000	-2.289	66.8000	4008.00000	2.289	15.05	1.33E+01	13.93	
4200.000	-2.298	70.1333	4208.00000	2.298	15.04	1.33E+01	13.99	
4400.000	-2.317	73.4667	4408.00000	2.317	15.02	1.35E+01	14.10	
4600.000	-2.339	76.8000	4608.00000	2.339	15.00	1.36E+01	14.22	
4800.000	-2.355	80.1333	4808.00000	2.355	14.98	1.37E+01	14.32	
5000.000	-2.368	83.4667	5008.00000	2.368	14.97	1.38E+01	14.39	
5200.000	-2.380	86.8000	5208.00000	2.380	14.96	1.38E+01	14.46	
5400.000	-2.399	90.1333	5408.00000	2.399	14.94	1.39E+01	14.57	
5600.000	-2.412	93.4667	5608.00000	2.412	14.92	1.40E+01	14.65	
5800.000	-2.430	96.8000	5808.00000	2.430	14.91	1.41E+01	14.73	
6000.000	-2.443	100.1333	6008.00000	2.443	14.89	1.42E+01	14.83	
6200.000	-2.459	103.4667	6208.00000	2.459	14.88	1.43E+01	14.92	
6400.000	-2.471	106.8000	6408.00000	2.471	14.86	1.44E+01	14.99	
6600.000	-2.487	110.1333	6608.00000	2.487	14.85	1.44E+01	15.08	
6800.000	-2.500	113.4667	6808.00000	2.500	14.84	1.45E+01	15.16	
7000.000	-2.512	116.8000	7008.00000	2.512	14.82	1.46E+01	15.23	
7200.000	-2.522	120.1333	7208.00000	2.522	14.81	1.46E+01	15.29	
7400.000	-2.534	123.4667	7408.00000	2.534	14.80	1.47E+01	15.36	
7600.000	-2.550	126.8000	7608.00000	2.550	14.79	1.48E+01	15.45	
7800.000	-2.569	130.1333	7808.00000	2.569	14.77	1.49E+01	15.56	
8000.000	-2.585	133.4667	8008.00000	2.585	14.75	1.50E+01	15.65	
8200.000	-2.603	136.8000	8208.00000	2.603	14.73	1.51E+01	15.76	
8400.000	-2.616	140.1333	8408.00000	2.616	14.72	1.52E+01	15.83	
8600.000	-2.625	143.4667	8608.00000	2.625	14.71	1.52E+01	15.88	

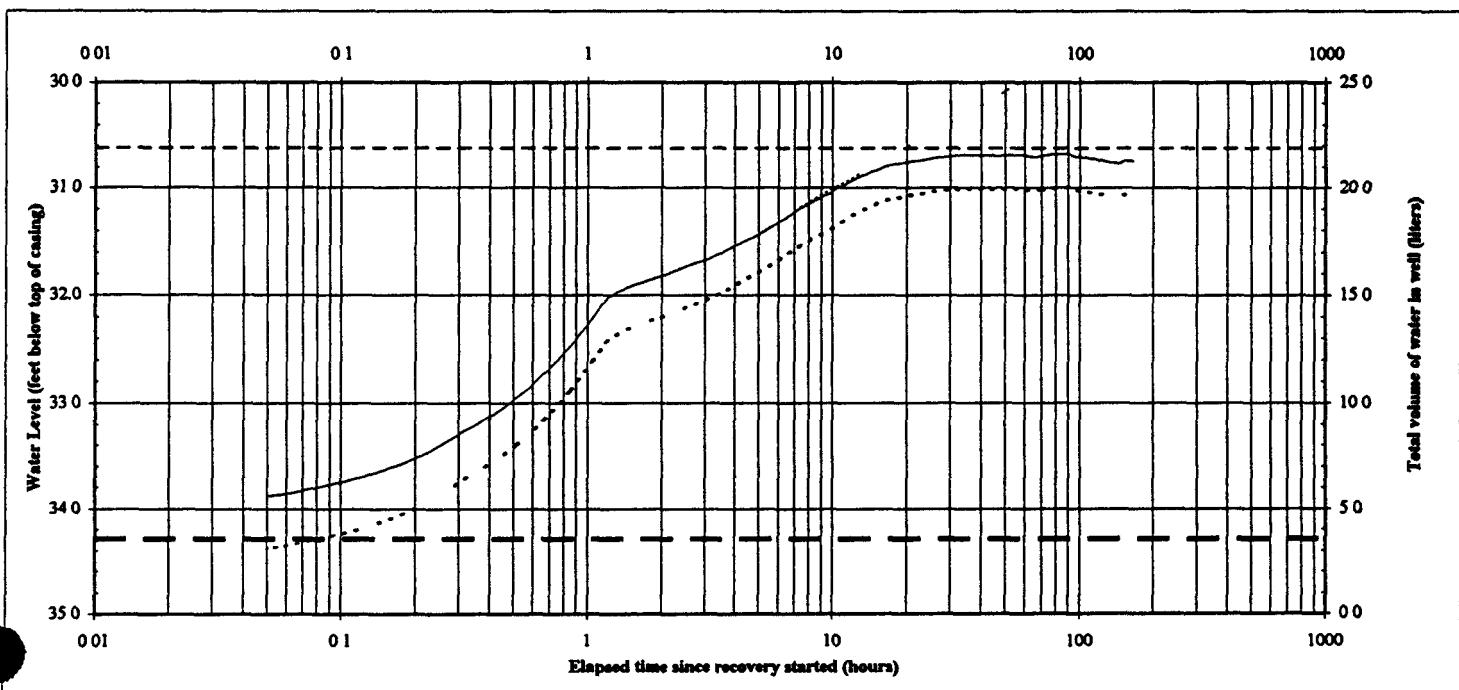
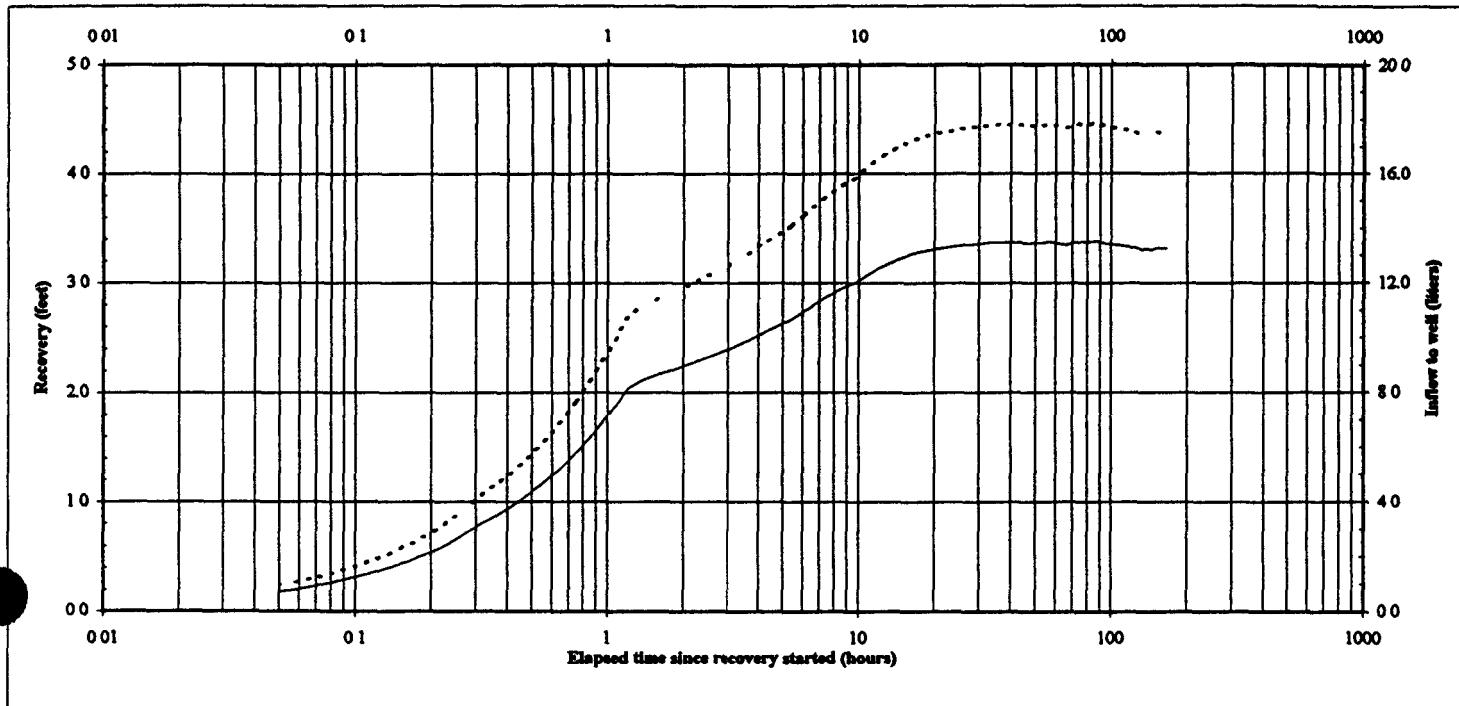
Well No. 03591

Measured recovery after sampling

Date: 8-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

(0359)

Date Sampled

3rd quarter
8 August

Final bail time	0 0 0 3	Delay	3 00	Minutes
Set transducer time	0 0 0 5			
Static water level (pre-sampling)	34.4	feet below top of casing		
Final water level (post-recovery)	34.3	feet below top of casing		
Last recorded water level	34.2	feet below transducer		
Transducer Reference Depth	34.1	feet below top of casing		
Bottom of well	34.1	feet below top of casing		
First recorded water level	34.2	feet below transducer		
First recorded water level	33.9	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	2.2	liters		
Well diameter	9.3	inches	0.792	feet
Borehole radius	4.8	inches	0.396	feet
Well diameter	2.9	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.9	inches	0.244	feet
Top of sandpack	19.7	feet below top of casing		
			0.62	liters/foot
			5.28	liters/foot

Input data						Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbdc)	(liters)	(liters)
0 000	-0 180	0 0500	3 00000	0 180	33 88		
0 003	-0 180	0 0501	3 00330	0 180	33 88	9 51E-01	3 11
0 007	-0 180	0 0501	3 00660	0 180	33 88	9 51E-01	3 11
0 010	-0 180	0 0502	3 01000	0 180	33 88	9 51E-01	3 11
0 013	-0 180	0 0502	3 01330	0 180	33 88	9 51E-01	3 11
0 017	-0 180	0 0503	3 01660	0 180	33 88	9 51E-01	3 11
0 020	-0 183	0 0503	3 02000	0 183	33 88	9 66E-01	3 13
0 023	-0 180	0 0504	3 02330	0 180	33 88	9 51E-01	3 11
0 027	-0 183	0 0504	3 02660	0 183	33 88	9 66E-01	3 13
0 030	-0 180	0 0505	3 03000	0 180	33 88	9 51E-01	3 11
0 033	-0 183	0 0506	3 03330	0 183	33 88	9 66E-01	3 13
0 037	-0 183	0 0506	3 03660	0 183	33 88	9 66E-01	3 13
0 040	-0 183	0 0507	3 04000	0 183	33 88	9 66E-01	3 13
0 043	-0 183	0 0507	3 04330	0 183	33 88	9 66E-01	3 13
0 047	-0 183	0 0508	3 04660	0 183	33 88	9 66E-01	3 13
0 050	-0 183	0 0508	3 05000	0 183	33 88	9 66E-01	3 13
0 053	-0 183	0 0509	3 05330	0 183	33 88	9 66E-01	3 13
0 057	-0 183	0 0509	3 05660	0 183	33 88	9 66E-01	3 13
0 060	-0 183	0 0510	3 06000	0 183	33 88	9 66E-01	3 13
0 063	-0 183	0 0511	3 06330	0 183	33 88	9 66E-01	3 13
0 067	-0 183	0 0511	3 06660	0 183	33 88	9 66E-01	3.13
0 070	-0 183	0 0512	3 07000	0 183	33 88	9 66E-01	3 13
0 073	-0 183	0 0512	3 07330	0 183	33 88	9 66E-01	3 13
0 077	-0 183	0 0513	3 07660	0 183	33 88	9 66E-01	3 13
0 080	-0 183	0 0513	3 08000	0 183	33 88	9 66E-01	3 13
0 083	-0 183	0 0514	3 08330	0 183	33 88	9 66E-01	3 13
0 087	-0 183	0 0514	3 08660	0 183	33 88	9 66E-01	3 13
0 090	-0 186	0 0515	3 09000	0 186	33 88	9 82E-01	3 14
0 093	-0 183	0 0516	3 09330	0 183	33 88	9 66E-01	3 13
0 097	-0 186	0 0516	3 09660	0 186	33 88	9 82E-01	3 14
0 100	-0 183	0 0517	3 10000	0 183	33 88	9 66E-01	3 13
0 103	-0 186	0 0517	3 10330	0 186	33 88	9 82E-01	3 14
0 107	-0 186	0 0518	3 10660	0 186	33 88	9 82E-01	3 14
0 110	-0 186	0 0518	3 11000	0 186	33 88	9 82E-01	3 14
0.113	-0 186	0 0519	3 11330	0 186	33 88	9 82E-01	3 14
0 117	-0 186	0 0519	3 11660	0 186	33 88	9 82E-01	3 14
0 120	-0 186	0 0520	3 12000	0 186	33 88	9 82E-01	3 14
0 123	-0 186	0 0521	3 12330	0 186	33 88	9 82E-01	3 14

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (seconds)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
0 127	-0 186	0 0521	3 12660	0 186	33 88		9 82E-01	3 14
0 130	-0 186	0 0522	3 13000	0 186	33 88		9 82E-01	3 14
0 133	-0 186	0 0522	3 13330	0 186	33 88		9 82E-01	3 14
0 137	-0 186	0 0523	3 13660	0 186	33 88		9 82E-01	3 14
0 140	-0 186	0 0523	3 14000	0 186	33 88		9 82E-01	3 14
0 143	-0 186	0 0524	3 14330	0 186	33 88		9 82E-01	3 14
0 147	-0 186	0 0524	3 14660	0 186	33 88		9 82E-01	3 14
0 150	-0 186	0 0525	3 15000	0 186	33 88		9 82E-01	3 14
0 153	-0 186	0 0526	3 15330	0 186	33 88		9 82E-01	3 14
0 157	-0 186	0 0526	3 15660	0 186	33 88		9 82E-01	3 14
0 160	-0 190	0 0527	3 16000	0 190	33 87		1 00E+00	3 16
0 163	-0 190	0 0527	3 16330	0 190	33 87		1 00E+00	3 16
0 167	-0 186	0 0528	3 16660	0 186	33 88		9 82E-01	3 14
0 170	-0 186	0 0528	3 17000	0 186	33 88		9 82E-01	3 14
0 173	-0 190	0 0529	3 17330	0 190	33 87		1 00E+00	3 16
0 177	-0 190	0 0529	3 17660	0 190	33 87		1 00E+00	3 16
0 180	-0 190	0 0530	3 18000	0 190	33 87		1 00E+00	3 16
0 183	-0 190	0 0531	3 18330	0 190	33 87		1 00E+00	3 16
0 187	-0 190	0 0531	3 18660	0 190	33 87		1 00E+00	3 16
0 190	-0 190	0 0532	3 19000	0 190	33 87		1 00E+00	3 16
0 193	-0 190	0 0532	3 19330	0 190	33 87		1 00E+00	3 16
0 197	-0 190	0 0533	3 19660	0 190	33 87		1 00E+00	3 16
0 200	-0 190	0 0533	3 20000	0 190	33 87		1 00E+00	3 16
0 203	-0 190	0 0534	3 20330	0 190	33 87		1 00E+00	3 16
0 207	-0 190	0 0534	3 20660	0 190	33 87		1 00E+00	3 16
0 210	-0 190	0 0535	3 21000	0 190	33 87		1 00E+00	3 16
0 213	-0 190	0 0536	3 21330	0 190	33 87		1 00E+00	3 16
0 217	-0 190	0 0536	3 21660	0 190	33 87		1 00E+00	3 16
0 220	-0 190	0 0537	3 22000	0 190	33 87		1 00E+00	3 16
0 223	-0 190	0 0537	3 22330	0 190	33 87		1 00E+00	3 16
0 227	-0 190	0 0538	3 22660	0 190	33 87		1 00E+00	3 16
0 230	-0 190	0 0538	3 23000	0 190	33 87		1 00E+00	3 16
0 233	-0 190	0 0539	3 23330	0 190	33 87		1 00E+00	3 16
0 237	-0 193	0 0539	3 23660	0 193	33 87		1 02E+00	3 18
0 240	-0 190	0 0540	3 24000	0 190	33 87		1 00E+00	3 16
0 243	-0 190	0 0541	3 24330	0 190	33 87		1 00E+00	3 16
0 247	-0 190	0 0541	3 24660	0 190	33 87		1 00E+00	3 16
0 250	-0 193	0 0542	3 25000	0 193	33 87		1 02E+00	3 18
0 253	-0 193	0 0542	3 25330	0 193	33 87		1 02E+00	3 18
0 257	-0 193	0 0543	3 25660	0 193	33 87		1 02E+00	3 18
0 260	-0 193	0 0543	3 26000	0 193	33 87		1 02E+00	3 18
0 263	-0 193	0 0544	3 26330	0 193	33 87		1 02E+00	3 18
0 267	-0 193	0 0544	3 26660	0 193	33 87		1 02E+00	3 18
0 270	-0 190	0 0545	3 27000	0 190	33 87		1 00E+00	3 16
0 273	-0 193	0 0546	3 27330	0 193	33 87		1 02E+00	3 18
0 277	-0 193	0 0546	3 27660	0 193	33 87		1 02E+00	3 18
0 280	-0 193	0 0547	3 28000	0 193	33 87		1 02E+00	3 18
0 283	-0 193	0 0547	3 28330	0 193	33 87		1 02E+00	3 18
0 287	-0 193	0 0548	3 28660	0 193	33 87		1 02E+00	3 18
0 290	-0 193	0 0548	3 29000	0 193	33 87		1 02E+00	3 18
0 293	-0 193	0 0549	3 29330	0 193	33 87		1 02E+00	3 18
0 297	-0 193	0 0549	3 29660	0 193	33 87		1 02E+00	3 18
0 300	-0 193	0 0550	3 30000	0 193	33 87		1 02E+00	3 18
0 303	-0 193	0 0551	3 30330	0 193	33 87		1 02E+00	3 18
0 307	-0 193	0 0551	3 30660	0 193	33 87		1 02E+00	3 18
0 310	-0 193	0 0552	3 31000	0 193	33 87		1 02E+00	3 18
0 313	-0 193	0 0552	3 31330	0 193	33 87		1 02E+00	3 18
0 317	-0 193	0 0553	3 31660	0 193	33 87		1 02E+00	3 18
0 320	-0 196	0 0553	3 32000	0 196	33 87		1 04E+00	3 19
0 323	-0 196	0 0554	3 32330	0 196	33 87		1 04E+00	3 19
0 327	-0 193	0 0554	3 32660	0 193	33 87		1 02E+00	3 18
0 330	-0 193	0 0555	3 33000	0 193	33 87		1 02E+00	3 18
0 333	-0 193	0 0556	3 33330	0 193	33 87		1 02E+00	3 18
0 350	-0 193	0 0558	3 35000	0 193	33 87		1 02E+00	3 18
0 367	-0 193	0 0561	3 36660	0 193	33 87		1 02E+00	3 18
0 383	-0 196	0 0564	3 38330	0 196	33 87		1 04E+00	3 19
0 400	-0 196	0 0567	3 40000	0 196	33 87		1 04E+00	3 19
0 417	-0 196	0 0569	3 41660	0 196	33 87		1 04E+00	3 19
0 433	-0 196	0 0572	3 43330	0 196	33 87		1 04E+00	3 19
0 450	-0 199	0 0575	3 45000	0 199	33 86		1 05E+00	3 21
0 467	-0 199	0 0578	3 46660	0 199	33 86		1 05E+00	3 21
0 483	-0 199	0 0581	3 48330	0 199	33 86		1 05E+00	3 21

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0.500	-0.202	0.0583	3 50000	0.202	33 86	1 07E+00	3.23	
0.517	-0.202	0.0586	3 51660	0.202	33 86	1 07E+00	3.23	
0 533	-0.202	0 0589	3 53330	0.202	33 86	1 07E+00	3 23	
0.550	-0 205	0 0592	3 55000	0.205	33 86	1 08E+00	3.24	
0.567	-0 205	0 0594	3 56660	0.205	33 86	1 08E+00	3.24	
0 583	-0.205	0 0597	3 58330	0.205	33 86	1 08E+00	3 24	
0 600	-0.205	0 0600	3 60000	0.205	33 86	1 08E+00	3 24	
0 617	-0 209	0 0603	3 61660	0.209	33 85	1 10E+00	3.26	
0 633	-0 209	0 0606	3 63330	0.209	33 85	1 10E+00	3 26	
0.650	-0.209	0.0608	3.65000	0.209	33 85	1 10E+00	3.26	
0.667	-0.209	0.0611	3.66660	0.209	33 85	1 10E+00	3.26	
0 683	-0 209	0 0614	3.68330	0.209	33 85	1 10E+00	3.26	
0.700	-0.209	0.0617	3.70000	0.209	33 85	1 10E+00	3 26	
0 717	-0 209	0 0619	3.71660	0.209	33 85	1 10E+00	3 26	
0.733	-0.212	0 0622	3 73330	0.212	33 85	1 12E+00	3 28	
0 750	-0.212	0 0625	3 75000	0.212	33 85	1 12E+00	3 28	
0 767	-0.212	0 0628	3 76660	0.212	33 85	1 12E+00	3 28	
0 783	-0 212	0 0631	3 78330	0.212	33 85	1 12E+00	3.28	
0 800	-0.215	0 0633	3 80000	0.215	33 85	1 14E+00	3.30	
0 817	-0 215	0 0636	3 81660	0.215	33 85	1 14E+00	3.30	
0 833	-0 215	0 0639	3 83330	0.215	33 85	1 14E+00	3.30	
0 850	-0 215	0 0642	3 85000	0.215	33 85	1 14E+00	3.30	
0.867	-0 218	0 0644	3 86660	0.218	33 84	1 15E+00	3.31	
0.883	-0.218	0 0647	3 88330	0.218	33 84	1 15E+00	3.31	
0.900	-0.218	0.0650	3.90000	0.218	33 84	1 15E+00	3.31	
0 917	-0 221	0 0653	3 91660	0.221	33 84	1 17E+00	3.33	
0.933	-0.221	0.0656	3 93330	0.221	33 84	1 17E+00	3.33	
0 950	-0.221	0 0658	3 95000	0.221	33 84	1 17E+00	3.33	
0.967	-0.221	0.0661	3 96660	0.221	33 84	1 17E+00	3.33	
0.983	-0.224	0.0664	3.98330	0.224	33 84	1 18E+00	3.34	
1 000	-0 224	0 0667	4 00000	0.224	33 84	1 18E+00	3.34	
1 200	-0.234	0.0700	4 20000	0.234	33 83	1.24E+00	3 40	
1 400	-0.243	0 0733	4 40000	0.243	33 82	1.28E+00	3 44	
1 600	-0 253	0 0767	4 60000	0.253	33 81	1.34E+00	3 50	
1 800	-0 262	0 0800	4 80000	0.262	33 80	1.38E+00	3 54	
2.000	-0 272	0 0833	5 00000	0.272	33 79	1.44E+00	3 60	
2.200	-0 281	0 0867	5 20000	0.281	33 78	1.48E+00	3 64	
2.400	-0.288	0 0900	5 40000	0.288	33 77	1.52E+00	3 68	
2.600	-0 297	0 0933	5 60000	0.297	33 76	1.57E+00	3 73	
2.800	-0.307	0 0967	5 80000	0.307	33 75	1.62E+00	3 78	
3 000	-0.313	0 1000	6.00000	0.313	33 75	1.65E+00	3 81	
3 200	-0 319	0.1033	6 20000	0.319	33 74	1.68E+00	3 84	
3 400	-0 329	0 1067	6.40000	0.329	33 73	1.74E+00	3 90	
3 600	-0.335	0 1100	6.60000	0.335	33 73	1.77E+00	3 93	
3 800	-0.345	0 1133	6.80000	0.345	33 72	1.82E+00	3 98	
4 000	-0 351	0 1167	7 00000	0.351	33 71	1.85E+00	4 01	
4 200	-0 361	0 1200	7 20000	0.361	33 70	1.91E+00	4 07	
4 400	-0 367	0 1233	7 40000	0 367	33 69	1.94E+00	4 10	
4 600	-0 376	0 1267	7 60000	0 376	33 69	1.99E+00	4 15	
4 800	-0 383	0 1300	7 80000	0 383	33 68	2.02E+00	4 18	
5 000	-0 392	0.1333	8 00000	0.392	33 67	2.07E+00	4 23	
5 200	-0 399	0 1367	8.20000	0.399	33 66	2.11E+00	4.27	
5 400	-0 408	0 1400	8.40000	0 408	33 65	2.15E+00	4 31	
5 600	-0 418	0 1433	8.60000	0 418	33 64	2.21E+00	4 37	
5 800	-0 424	0 1467	8.80000	0 424	33 64	2.24E+00	4 40	
6.000	-0 430	0 1500	9 00000	0 430	33 63	2.27E+00	4 43	
6.200	-0 440	0 1533	9 20000	0 440	33 62	2.32E+00	4 48	
6.400	-0 446	0 1567	9 40000	0 446	33 62	2.36E+00	4 51	
6.600	-0 453	0 1600	9 60000	0 453	33 61	2.39E+00	4 55	
6.800	-0 459	0 1633	9 80000	0 459	33 60	2.42E+00	4 58	
7 000	-0 465	0 1667	10 00000	0 465	33 60	2.46E+00	4 62	
7 200	-0 475	0 1700	10 20000	0 475	33 59	2.51E+00	4 67	
7 400	-0 481	0 1733	10 40000	0 481	33 58	2.54E+00	4 70	
7 600	-0 491	0 1767	10 60000	0 491	33 57	2.59E+00	4 75	
7 800	-0 497	0 1800	10.80000	0 497	33 56	2.62E+00	4 78	
8 000	-0 503	0 1833	11 00000	0 503	33 56	2.66E+00	4 82	
8 200	-0 513	0 1867	11 20000	0 513	33 55	2.71E+00	4 87	
8 400	-0 519	0 1900	11 40000	0 519	33 54	2.74E+00	4 90	
8 600	-0 525	0 1933	11 60000	0 525	33 54	2.77E+00	4 93	
8 800	-0 532	0 1967	11 80000	0 532	33 53	2.81E+00	4 97	
9 000	-0 541	0 2000	12.00000	0 541	33 52	2.86E+00	5 02	
9 200	-0 548	0 2033	12.20000	0 548	33 51	2.89E+00	5 05	

Input data		Tranducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time								
9 400	-0.557	0.2067	12.40000	0.557	33.50	2.94E+00	5 10		
9 600	-0.563	0.2100	12.60000	0.563	33.50	2.97E+00	5 13		
9 800	-0.570	0.2133	12.80000	0.570	33.49	3 01E+00	5 17		
10.000	-0.576	0.2167	13.00000	0.576	33.49	3 04E+00	5 20		
12.000	-0.658	0.2500	15.00000	0.658	33.40	3 47E+00	5 63		
14.000	-0.728	0.2833	17.00000	0.728	33.33	3 84E+00	6.00		
16.000	-0.801	0.3167	19.00000	0.801	33.26	4.23E+00	6.39		
18.000	-0.855	0.3500	21.00000	0.855	33.21	4.51E+00	6.67		
20.000	-0.909	0.3833	23.00000	0.909	33.15	4.80E+00	6.96		
22.000	-0.956	0.4167	25.00000	0.956	33.11	5.05E+00	7.21		
24.000	-1.010	0.4500	27.00000	1.010	33.05	5.33E+00	7.49		
26.000	-1.061	0.4833	29.00000	1.061	33.00	5.60E+00	7.76		
28.000	-1.111	0.5167	31.00000	1.111	32.95	5.87E+00	8.03		
30.000	-1.159	0.5500	33.00000	1.159	32.90	6.12E+00	8.28		
32.000	-1.210	0.5833	35.00000	1.210	32.85	6.39E+00	8.55		
34.000	-1.260	0.6167	37.00000	1.260	32.80	6.65E+00	8.81		
36.000	-1.308	0.6500	39.00000	1.308	32.75	6.91E+00	9.07		
38.000	-1.359	0.6833	41.00000	1.359	32.70	7.18E+00	9.34		
40.000	-1.406	0.7167	43.00000	1.406	32.66	7.42E+00	9.58		
42.000	-1.450	0.7500	45.00000	1.450	32.61	7.66E+00	9.82		
44.000	-1.495	0.7833	47.00000	1.495	32.57	7.89E+00	10.05		
46.000	-1.546	0.8167	49.00000	1.546	32.52	8.16E+00	10.32		
48.000	-1.590	0.8500	51.00000	1.590	32.47	8.40E+00	10.56		
50.000	-1.634	0.8833	53.00000	1.634	32.43	8.63E+00	10.79		
52.000	-1.679	0.9167	55.00000	1.679	32.38	8.87E+00	11.03		
54.000	-1.723	0.9500	57.00000	1.723	32.34	9.10E+00	11.26		
56.000	-1.767	0.9833	59.00000	1.767	32.29	9.33E+00	11.49		
58.000	-1.809	1.0167	61.00000	1.809	32.25	9.55E+00	11.71		
60.000	-1.850	1.0500	63.00000	1.850	32.21	9.77E+00	11.93		
62.000	-1.891	1.0833	65.00000	1.891	32.17	9.99E+00	12.15		
64.000	-1.932	1.1167	67.00000	1.932	32.13	1.02E+01	12.36		
66.000	-1.980	1.1500	69.00000	1.980	32.08	1.05E+01	12.62		
68.000	-2.018	1.1833	71.00000	2.018	32.04	1.07E+01	12.82		
70.000	-2.043	1.2167	73.00000	2.043	32.02	1.09E+01	12.95		
72.000	-2.059	1.2500	75.00000	2.059	32.00	1.09E+01	13.03		
74.000	-2.078	1.2833	77.00000	2.078	31.98	1.10E+01	13.13		
76.000	-2.091	1.3167	79.00000	2.091	31.97	1.10E+01	13.20		
78.000	-2.103	1.3500	81.00000	2.103	31.96	1.11E+01	13.27		
80.000	-2.113	1.3833	83.00000	2.113	31.95	1.12E+01	13.32		
82.000	-2.122	1.4167	85.00000	2.122	31.94	1.12E+01	13.37		
84.000	-2.135	1.4500	87.00000	2.135	31.93	1.13E+01	13.43		
86.000	-2.141	1.4833	89.00000	2.141	31.92	1.13E+01	13.47		
88.000	-2.151	1.5167	91.00000	2.151	31.91	1.14E+01	13.52		
90.000	-2.157	1.5500	93.00000	2.157	31.90	1.14E+01	13.55		
92.000	-2.163	1.5833	95.00000	2.163	31.90	1.14E+01	13.58		
94.000	-2.173	1.6167	97.00000	2.173	31.89	1.15E+01	13.63		
96.000	-2.176	1.6500	99.00000	2.176	31.89	1.15E+01	13.65		
98.000	-2.186	1.6833	101.00000	2.186	31.88	1.15E+01	13.70		
100.000	-2.189	1.7167	103.00000	2.189	31.87	1.16E+01	13.72		
120.000	-2.249	2.0500	123.00000	2.249	31.81	1.19E+01	14.04		
140.000	-2.306	2.3833	143.00000	2.306	31.76	1.22E+01	14.34		
160.000	-2.334	2.7167	163.00000	2.334	31.71	1.24E+01	14.59		
180.000	-2.395	3.0500	183.00000	2.395	31.67	1.26E+01	14.81		
200.000	-2.442	3.3833	203.00000	2.442	31.62	1.29E+01	15.06		
220.000	-2.484	3.7167	223.00000	2.484	31.58	1.31E+01	15.28		
240.000	-2.525	4.0500	243.00000	2.525	31.54	1.33E+01	15.49		
260.000	-2.569	4.3833	263.00000	2.569	31.49	1.36E+01	15.73		
280.000	-2.601	4.7167	283.00000	2.601	31.46	1.37E+01	15.89		
300.000	-2.636	5.0500	303.00000	2.636	31.43	1.39E+01	16.08		
320.000	-2.671	5.3833	323.00000	2.671	31.39	1.41E+01	16.26		
340.000	-2.705	5.7167	343.00000	2.705	31.36	1.43E+01	16.44		
360.000	-2.743	6.0500	363.00000	2.743	31.32	1.45E+01	16.64		
380.000	-2.772	6.3833	383.00000	2.772	31.29	1.46E+01	16.80		
400.000	-2.807	6.7167	403.00000	2.807	31.25	1.48E+01	16.98		
420.000	-2.835	7.0500	423.00000	2.835	31.23	1.50E+01	17.13		
440.000	-2.864	7.3833	443.00000	2.864	31.20	1.51E+01	17.28		
460.000	-2.889	7.7167	463.00000	2.889	31.17	1.53E+01	17.42		
480.000	-2.915	8.0500	483.00000	2.915	31.15	1.54E+01	17.55		
500.000	-2.937	8.3833	503.00000	2.937	31.12	1.55E+01	17.67		
520.000	-2.956	8.7167	523.00000	2.956	31.11	1.56E+01	17.77		
540.000	-2.975	9.0500	543.00000	2.975	31.09	1.57E+01	17.87		
560.000	-2.991	9.3833	563.00000	2.991	31.07	1.58E+01	17.95		

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftslc)			
580 000	-3 003	9 7167	583 00000	3 003	31 06	1 59E+01	18 02
600 000	-3 025	10 0500	603 00000	3 025	31 04	1 60E+01	18 13
620 000	-3 048	10 3833	623 00000	3 048	31 01	1 61E+01	18 26
640 000	-3 067	10 7167	643 00000	3 067	30 99	1 62E+01	18 36
660 000	-3 086	11 0500	663 00000	3 086	30 98	1 63E+01	18 46
680 000	-3 105	11 3833	683 00000	3 105	30 96	1 64E+01	18 56
700 000	-3 121	11 7167	703 00000	3 121	30 94	1 65E+01	18 64
720 000	-3 136	12 0500	723 00000	3 136	30 93	1 66E+01	18 72
740 000	-3 149	12.3833	743 00000	3 149	30 91	1 66E+01	18 79
760 000	-3 162	12.7167	763 00000	3 162	30 90	1 67E+01	18 86
780 000	-3 174	13 0500	783 00000	3 174	30 89	1 68E+01	18 92
800 000	-3 184	13.3833	803 00000	3 184	30 88	1 68E+01	18 97
820 000	-3 193	13 7167	823 00000	3 193	30 87	1 69E+01	19 02
840 000	-3 206	14 0500	843 00000	3 206	30 86	1 69E+01	19 09
860 000	-3 216	14 3833	863 00000	3 216	30 85	1 70E+01	19 14
880 000	-3 222	14 7167	883 00000	3 222	30 84	1 70E+01	19 17
900 000	-3 231	15 0500	903 00000	3 231	30 83	1 71E+01	19 22
920 000	-3 241	15 3833	923 00000	3 241	30 82	1 71E+01	19 27
940 000	-3 247	15 7167	943 00000	3 247	30 81	1 71E+01	19 31
960 000	-3 257	16.0500	963 00000	3 257	30 80	1 72E+01	19 36
980 000	-3 263	16.3833	983 00000	3 263	30 80	1 72E+01	19 39
1000 000	-3 270	16.7167	1003 00000	3 270	30 79	1 73E+01	19 43
1200 000	-3.308	20 0500	1203 00000	3.308	30 75	1 75E+01	19 63
1400 000	-3.327	23 3833	1403 00000	3 327	30 73	1 76E+01	19 73
1600 000	-3 349	26.7167	1603 00000	3 349	30 71	1 77E+01	19 84
1800 000	-3 355	30 0500	1803 00000	3 355	30 71	1 77E+01	19 88
2000 000	-3.371	33.3833	2003 00000	3.371	30 69	1 78E+01	19 96
2200 000	-3.368	36.7167	2203 00000	3 368	30 69	1 78E+01	19 95
2400 000	-3.368	40 0500	2403 00000	3 368	30 69	1 78E+01	19 95
2600 000	-3 368	43 3833	2603 00000	3.368	30 69	1 78E+01	19 95
2800 000	-3 361	46.7167	2803 00000	3 361	30 70	1 77E+01	19 91
3000 000	-3 365	50 0500	3003 00000	3.365	30 70	1 78E+01	19 93
3200 000	-3 365	53 3833	3203 00000	3 365	30 70	1 78E+01	19 93
3400 000	-3 374	56 7167	3403 00000	3.374	30 69	1 78E+01	19 98
3600 000	-3 365	60 0500	3603 00000	3.365	30 70	1 78E+01	19 93
3800 000	-3 355	63 3833	3803 00000	3 355	30 71	1 77E+01	19 88
4000 000	-3 349	66.7167	4003 00000	3 349	30 71	1 77E+01	19 84
4200 000	-3 365	70 0500	4203 00000	3 365	30 70	1 78E+01	19 93
4400 000	-3.368	73 3833	4403 00000	3 368	30 69	1 78E+01	19 95
4600 000	-3 377	76.7167	4603 00000	3 377	30 68	1 78E+01	19 99
4800 000	-3 374	80 0500	4803 00000	3 374	30 69	1 78E+01	19 98
5000 000	-3 377	83 3833	5003 00000	3 377	30 68	1 78E+01	19 99
5200 000	-3 380	86.7167	5203 00000	3 380	30 68	1 78E+01	20 01
5400 000	-3 377	90 0500	5403 00000	3 377	30 68	1 78E+01	19 99
5600 000	-3 365	93 3833	5603 00000	3 365	30 70	1 78E+01	19 93
5800 000	-3 352	96.7167	5803 00000	3 352	30 71	1 77E+01	19 86
6000 000	-3 361	100 0500	6003 00000	3 361	30 70	1 77E+01	19.91
6200 000	-3 346	103 3833	6203 00000	3 346	30 72	1 77E+01	19 83
6400 000	-3 349	106.7167	6403 00000	3 349	30 71	1 77E+01	19 84
6600 000	-3 339	110 0500	6603 00000	3 339	30 72	1 76E+01	19 79
6800 000	-3 336	113 3833	6803 00000	3 336	30 73	1 76E+01	19 78
7000 000	-3 333	116 7167	7003 00000	3 333	30 73	1 76E+01	19 76
7200 000	-3 317	120 0500	7203 00000	3 317	30 74	1 75E+01	19 68
7400 000	-3 323	123.3833	7403 00000	3 323	30 74	1 75E+01	19 71
7600 000	-3 314	126 7167	7603 00000	3 314	30 75	1 75E+01	19 66
7800 000	-3 308	130 0500	7803 00000	3.308	30 75	1 75E+01	19 63
8000 000	-3 301	133 3833	8003 00000	3 301	30 76	1 74E+01	19 59
8200 000	-3.304	136.7167	8203 00000	3 304	30 76	1 74E+01	19 61
8400.000	-3 304	140.0500	8403 00000	3.304	30 76	1 74E+01	19 61
8600 000	-3 292	143.3833	8603 00000	3 292	30 77	1 74E+01	19 54
8800 000	-3 298	146 7167	8803 00000	3 298	30 76	1 74E+01	19 58
9000 000	-3 311	150 0500	9003 00000	3 311	30 75	1 75E+01	19 64
9200 000	-3 320	153 3833	9203 00000	3 320	30 74	1 75E+01	19 69
9400 000	-3 314	156 7167	9403 00000	3 314	30 75	1 75E+01	19 66
9600 000	-3.314	160 0500	9603 00000	3.314	30 75	1 75E+01	19 66
9800 000	-3 317	163.3833	9803 00000	3 317	30 74	1 75E+01	19 68
10000 000	-3 311	166.7167	10003 00000	3 311	30 75	1 75E+01	19 64

Well No. 04091

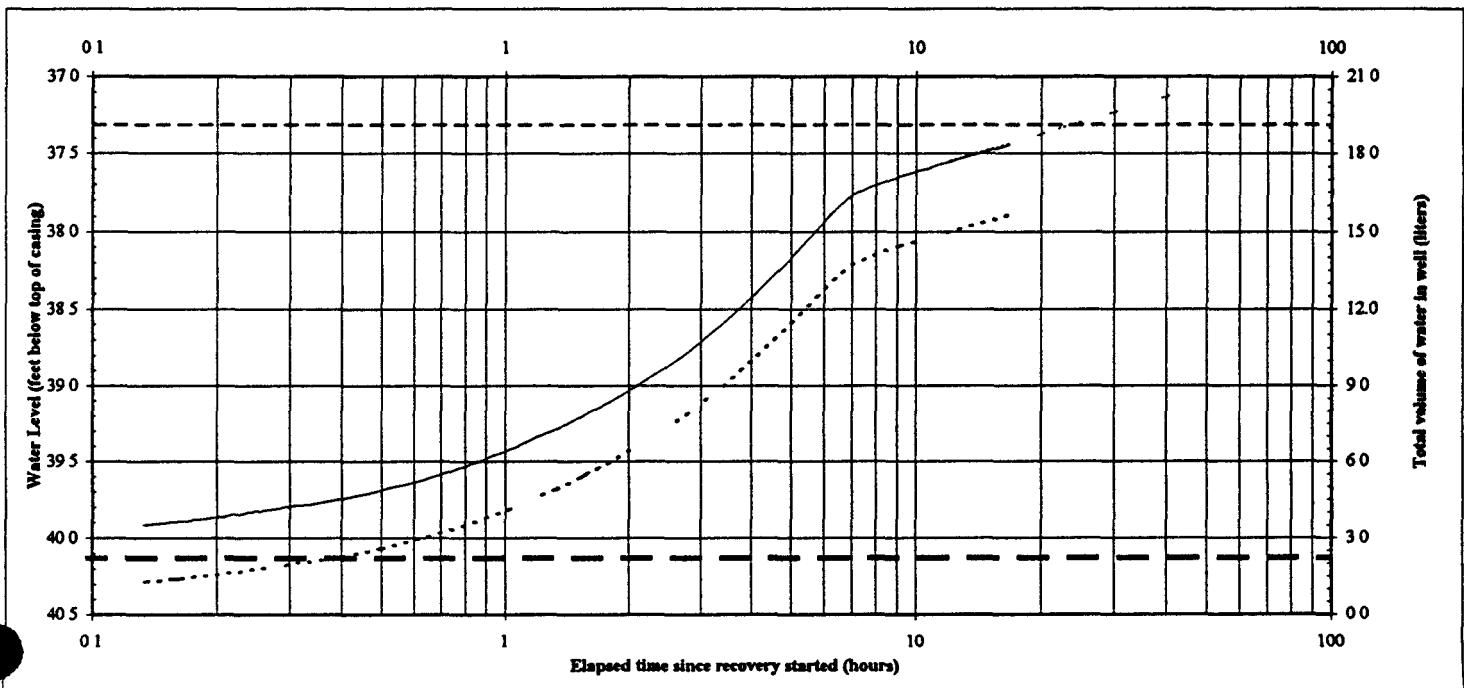
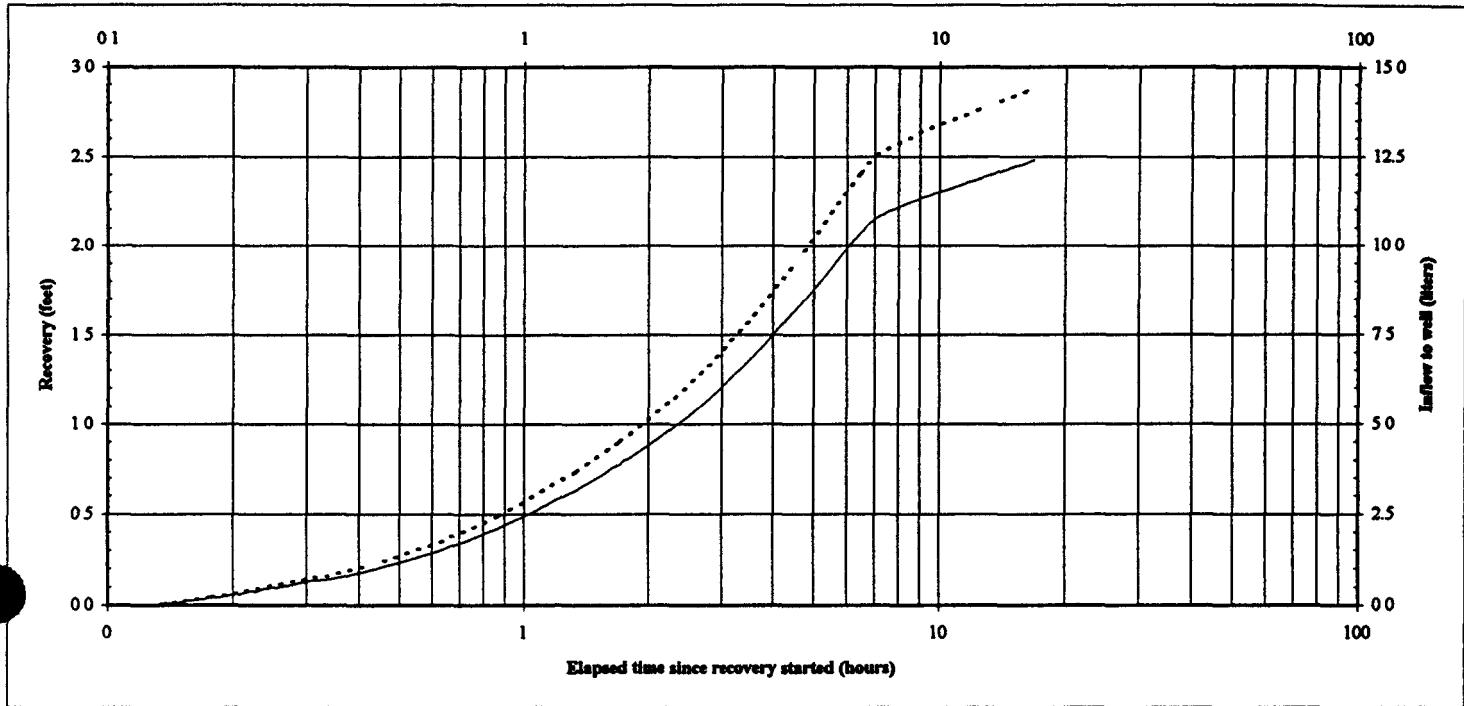
Measured recovery after sampling

Date: 17-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

13093

Date Sampled

2nd quarter

5/17/94

Final bail time	14:45:00				
Set transducer time	14:45:00				
Static water level (pre-sampling)	39.9	feet below top of casing			
Final water level (post-recovery)	37.4	feet below top of casing			
Last recorded water level	37.3	feet below transducer			
Transducer Reference Depth	39.9	feet below top of casing			
Bottom of well	40.1	feet below top of casing			
First recorded water level	39.9	feet below transducer			
First recorded water level	0.2	feet below top of casing			
Water column remaining in casing after purging	1.3	feet			
Volume remaining in casing after purging		liters			
Well diameter	10.0	inches	0.833	feet	
Well radius	5.0	inches	0.417	feet	
Casing diameter	2.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	0.62 liters/foot
Effective well radius	3.1	inches	0.255	feet	5.81 liters/foot
Top of sandpack	26.0	feet below top of casing			

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (seconds)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftm)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0.006	0 1333	8 00000	0.006	39.91		
0 003	-0.006	0 1334	8 00330	0.006	39.91	3.48E-02	1.30
0 007	-0.006	0 1334	8 00660	0.006	39.91	3.48E-02	1.30
0 010	-0.006	0 1335	8 01000	0.006	39.91	3.48E-02	1.30
0 013	-0.006	0 1336	8 01330	0.006	39.91	3.48E-02	1.30
0 017	-0.006	0 1336	8 01660	0.006	39.91	3.48E-02	1.30
0 020	-0.006	0 1337	8 02000	0.006	39.91	3.48E-02	1.30
0 023	-0.006	0 1337	8 02330	0.006	39.91	3.48E-02	1.30
0 027	-0.006	0 1338	8 02660	0.006	39.91	3.48E-02	1.30
0 030	-0.006	0 1338	8 03000	0.006	39.91	3.48E-02	1.30
0 033	-0.006	0 1339	8 03330	0.006	39.91	3.48E-02	1.30
0 037	-0.006	0 1339	8 03660	0.006	39.91	3.48E-02	1.30
0 040	-0.006	0 1340	8 04000	0.006	39.91	3.48E-02	1.30
0 043	-0.006	0 1341	8 04330	0.006	39.91	3.48E-02	1.30
0 047	-0.006	0 1341	8 04660	0.006	39.91	3.48E-02	1.30
0 050	-0.006	0 1342	8 05000	0.006	39.91	3.48E-02	1.30
0 053	-0.006	0 1342	8 05330	0.006	39.91	3.48E-02	1.30
0 057	-0.006	0 1343	8 05660	0.006	39.91	3.48E-02	1.30
0 060	-0.006	0 1343	8 06000	0.006	39.91	3.48E-02	1.30
0 063	-0.006	0 1344	8 06330	0.006	39.91	3.48E-02	1.30
0 067	-0.006	0 1344	8 06660	0.006	39.91	3.48E-02	1.30
0 070	-0.006	0 1345	8 07000	0.006	39.91	3.48E-02	1.30
0 073	-0.006	0 1346	8 07330	0.006	39.91	3.48E-02	1.30
0 077	-0.006	0 1346	8 07660	0.006	39.91	3.48E-02	1.30
0 080	-0.006	0 1347	8 08000	0.006	39.91	3.48E-02	1.30
0 083	-0.006	0 1347	8 08330	0.006	39.91	3.48E-02	1.30
0 087	-0.006	0 1348	8 08660	0.006	39.91	3.48E-02	1.30
0 090	-0.006	0 1348	8 09000	0.006	39.91	3.48E-02	1.30
0 093	-0.006	0 1349	8 09330	0.006	39.91	3.48E-02	1.30
0 097	-0.006	0 1349	8 09660	0.006	39.91	3.48E-02	1.30
0 100	-0.006	0 1350	8 10000	0.006	39.91	3.48E-02	1.30
0 103	-0.009	0 1351	8 10330	0.009	39.91	5.23E-02	1.31
0 107	-0.006	0 1351	8 10660	0.006	39.91	3.48E-02	1.30
0 110	-0.009	0 1352	8 11000	0.009	39.91	5.23E-02	1.31
0 113	-0.009	0 1352	8 11330	0.009	39.91	5.23E-02	1.31
0 117	-0.009	0 1353	8 11660	0.009	39.91	5.23E-02	1.31
0 120	-0.009	0 1353	8 12000	0.009	39.91	5.23E-02	1.31
0 123	-0.006	0 1354	8 12330	0.006	39.91	3.48E-02	1.30

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-0 009	0 1354	8.12660	0 009	39 91		5 23E-02	1 31
0 130	-0.006	0 1355	8.13000	0 006	39 91		3 48E-02	1.30
0 133	-0.006	0 1356	8.13330	0 006	39 91		3 48E-02	1.30
0 137	-0.006	0 1356	8.13660	0 006	39 91		3 48E-02	1.30
0 140	-0 006	0 1357	8.14000	0 006	39 91		3 48E-02	1.30
0 143	-0 006	0 1357	8.14330	0 006	39 91		3 48E-02	1.30
0 147	-0.009	0 1358	8.14660	0 009	39 91		5 23E-02	1.31
0 150	-0.006	0 1358	8.15000	0 006	39 91		3 48E-02	1.30
0.153	-0.006	0 1359	8.15330	0 006	39 91		3 48E-02	1.30
0 157	-0 006	0 1359	8.15660	0 006	39 91		3 48E-02	1.30
0 160	-0 006	0 1360	8.16000	0 006	39 91		3 48E-02	1.30
0 163	-0 006	0 1361	8.16330	0 006	39 91		3 48E-02	1.30
0 167	-0 006	0 1361	8.16660	0 006	39 91		3 48E-02	1.30
0 170	-0.009	0 1362	8.17000	0 009	39 91		5.23E-02	1.31
0 173	-0.009	0 1362	8.17330	0 009	39 91		5 23E-02	1.31
0 177	-0.006	0 1363	8.17660	0 006	39 91		3 48E-02	1.30
0.180	-0.006	0 1363	8.18000	0 006	39 91		3 48E-02	1.30
0 183	-0.009	0 1364	8.18330	0 009	39 91		5 23E-02	1.31
0 187	-0 009	0 1364	8.18660	0 009	39 91		5 23E-02	1.31
0 190	-0 006	0 1365	8.19000	0 006	39 91		3.48E-02	1.30
0.193	-0 006	0 1366	8.19330	0 006	39 91		3 48E-02	1.30
0.197	-0 009	0 1366	8.19660	0 009	39 91		5 23E-02	1.31
0 200	-0 009	0 1367	8.20000	0 009	39 91		5 23E-02	1.31
0 203	-0 009	0 1367	8.20330	0 009	39 91		5 23E-02	1.31
0 207	-0 006	0 1368	8.20660	0 006	39 91		3 48E-02	1.30
0 210	-0 009	0 1368	8.21000	0 009	39 91		5 23E-02	1.31
0 213	-0 006	0 1369	8.21330	0 006	39 91		3 48E-02	1.30
0 217	-0 006	0 1369	8.21660	0 006	39 91		3 48E-02	1.30
0 220	-0 006	0 1370	8.22000	0 006	39 91		3 48E-02	1.30
0 223	-0 006	0 1371	8.22330	0 006	39 91		3 48E-02	1.30
0 227	-0 006	0 1371	8.22660	0 006	39 91		3 48E-02	1.30
0.230	-0 009	0 1372	8.23000	0 009	39 91		5 23E-02	1.31
0 233	-0 009	0 1372	8.23330	0 009	39 91		5 23E-02	1.31
0 237	-0 009	0 1373	8.23660	0 009	39 91		5 23E-02	1.31
0 240	-0 009	0 1373	8.24000	0 009	39 91		5 23E-02	1.31
0 243	-0 009	0 1374	8.24330	0 009	39.91		5 23E-02	1.31
0 247	-0 009	0 1374	8.24660	0 009	39 91		5 23E-02	1.31
0 250	-0 009	0 1375	8.25000	0 009	39 91		5 23E-02	1.31
0 253	-0.009	0 1376	8.25330	0 009	39 91		5 23E-02	1.31
0 257	-0 009	0 1376	8.25660	0 009	39 91		5 23E-02	1.31
0 260	-0 009	0 1377	8.26000	0 009	39 91		5 23E-02	1.31
0 263	-0 009	0 1377	8.26330	0 009	39 91		5 23E-02	1.31
0 267	-0 009	0 1378	8.26660	0 009	39 91		5 23E-02	1.31
0 270	-0 009	0 1378	8.27000	0 009	39 91		5 23E-02	1.31
0 273	-0 009	0 1379	8.27330	0 009	39 91		5 23E-02	1.31
0 277	-0 009	0 1379	8.27660	0 009	39 91		5 23E-02	1.31
0 280	-0 009	0 1380	8.28000	0 009	39 91		5 23E-02	1.31
0 283	-0 009	0 1381	8.28330	0 009	39 91		5 23E-02	1.31
0 287	-0 009	0 1381	8.28660	0 009	39 91		5 23E-02	1.31
0 290	-0 009	0 1382	8.29000	0 009	39 91		5 23E-02	1.31
0 293	-0 009	0 1382	8.29330	0 009	39 91		5 23E-02	1.31
0 297	-0 009	0 1383	8.29660	0 009	39 91		5 23E-02	1.31
0 300	-0 009	0 1383	8.30000	0 009	39 91		5 23E-02	1.31
0.303	-0 009	0 1384	8.30330	0 009	39 91		5 23E-02	1.31
0.307	-0 009	0 1384	8.30660	0 009	39 91		5 23E-02	1.31
0 310	-0 009	0 1385	8.31000	0 009	39 91		5 23E-02	1.31
0 313	-0 009	0 1386	8.31330	0 009	39 91		5 23E-02	1.31
0 317	-0 009	0 1386	8.31660	0 009	39 91		5 23E-02	1.31
0.320	-0 009	0 1387	8.32000	0 009	39 91		5 23E-02	1.31
0.323	-0 009	0 1387	8.32330	0 009	39.91		5 23E-02	1.31
0.327	-0 009	0 1388	8.32660	0 009	39 91		5.23E-02	1.31
0.330	-0 009	0 1388	8.33000	0 009	39 91		5.23E-02	1.31
0.333	-0 009	0 1389	8.33330	0 009	39 91		5 23E-02	1.31
0.336	-0 009	0 1392	8.33660	0 009	39 91		5 23E-02	1.31
0.367	-0 009	0 1394	8.36660	0 009	39 91		5 23E-02	1.31
0 383	-0 009	0 1397	8.38330	0 009	39 91		5 23E-02	1.31
0 400	-0 009	0 1400	8.40000	0 009	39 91		5 23E-02	1.31
0 417	-0 009	0 1403	8.41660	0 009	39 91		5 23E-02	1.31
0 433	-0 009	0 1406	8.43330	0 009	39 91		5 23E-02	1.31
0 450	-0 012	0 1408	8.45000	0 012	39 91		6.97E-02	1.33
0 467	-0 009	0 1411	8.46660	0 009	39 91		5 23E-02	1.31
0 483	-0 009	0 1414	8.48330	0 009	39 91		5 23E-02	1.31

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 500	-0.009	0 1417	8 50000	0.009	39 91	5 23E-02	1 31
0 517	-0.012	0 1419	8.51660	0.012	39 91	6.97E-02	1 33
0 533	-0.012	0 1422	8.53330	0.012	39 91	6.97E-02	1.33
0 550	-0.012	0 1425	8.55000	0.012	39.91	6.97E-02	1.33
0 567	-0.012	0 1428	8.56660	0.012	39 91	6.97E-02	1.33
0 583	-0.012	0 1431	8.58330	0.012	39 91	6.97E-02	1.33
0 600	-0.012	0 1433	8.60000	0.012	39 91	6.97E-02	1.33
0 617	-0.012	0 1436	8.61660	0.012	39 91	6.97E-02	1.33
0 633	-0.012	0 1439	8.63330	0.012	39 91	6.97E-02	1.33
0 650	-0.012	0 1442	8.65000	0.012	39 91	6.97E-02	1.33
0.667	-0.012	0 1444	8.66660	0.012	39 91	6.97E-02	1.33
0 683	-0.012	0 1447	8.68330	0.012	39 91	6.97E-02	1.33
0 700	-0.012	0 1450	8.70000	0.012	39 91	6.97E-02	1.33
0.717	-0.012	0 1453	8.71660	0.012	39 91	6.97E-02	1.33
0.733	-0.012	0 1456	8.73330	0.012	39 91	6.97E-02	1.33
0 750	-0.012	0 1458	8.75000	0.012	39 91	6.97E-02	1.33
0.767	-0.012	0 1461	8.76660	0.012	39 91	6.97E-02	1.33
0 783	-0.012	0 1464	8.78330	0.012	39 91	6.97E-02	1.33
0 800	-0.015	0 1467	8.80000	0.015	39 90	8.71E-02	1.35
0 817	-0.015	0 1469	8.81660	0.015	39 90	8.71E-02	1.35
0 833	-0.015	0 1472	8.83330	0.015	39 90	8.71E-02	1.35
0 850	-0.015	0 1475	8.85000	0.015	39 90	8.71E-02	1.35
0 867	-0.015	0 1478	8.86660	0.015	39 90	8.71E-02	1.35
0.883	-0.015	0 1481	8.88330	0.015	39 90	8.71E-02	1.35
0 900	-0.015	0 1483	8.90000	0.015	39 90	8.71E-02	1.35
0 917	-0.015	0 1486	8.91660	0.015	39 90	8.71E-02	1.35
0 933	-0.015	0 1489	8.93330	0.015	39 90	8.71E-02	1.35
0 950	-0.015	0 1492	8.95000	0.015	39 90	8.71E-02	1.35
0 967	-0.015	0 1494	8.96660	0.015	39 90	8.71E-02	1.35
0 983	-0.015	0 1497	8.98330	0.015	39 90	8.71E-02	1.35
1 000	-0.015	0 1500	9 00000	0.015	39 90	8.71E-02	1.35
1 200	-0.022	0 1533	9 20000	0.022	39 90	1.28E-01	1.39
1 400	-0.025	0.1567	9 40000	0.025	39 89	1.45E-01	1.41
1 600	-0.025	0 1600	9 60000	0.025	39 89	1.45E-01	1.41
1 800	-0.028	0 1633	9 80000	0.028	39 89	1.63E-01	1.42
2 000	-0.028	0 1667	10 00000	0.028	39 89	1.63E-01	1.42
2 200	-0.031	0 1700	10 20000	0.031	39 89	1.80E-01	1.44
2 400	-0.034	0 1733	10 40000	0.034	39 89	1.97E-01	1.46
2 600	-0.040	0 1767	10 60000	0.040	39 88	2.32E-01	1.49
2 800	-0.040	0 1800	10 80000	0.040	39 88	2.32E-01	1.49
3 000	-0.040	0 1833	11 00000	0.040	39 88	2.32E-01	1.49
3 200	-0.044	0.1867	11 20000	0.044	39 88	2.56E-01	1.52
3 400	-0.047	0 1900	11 40000	0.047	39 87	2.73E-01	1.53
3 600	-0.050	0 1933	11 60000	0.050	39 87	2.90E-01	1.55
3 800	-0.053	0 1967	11 80000	0.053	39 87	3.08E-01	1.57
4 000	-0.053	0 2000	12.00000	0.053	39 87	3.08E-01	1.57
4 200	-0.059	0 2033	12.20000	0.059	39 86	3.43E-01	1.60
4 400	-0.056	0 2067	12.40000	0.056	39 86	3.25E-01	1.59
4 600	-0.063	0 2100	12.60000	0.063	39 86	3.66E-01	1.63
4 800	-0.066	0 2133	12.80000	0.066	39 85	3.83E-01	1.64
5 000	-0.069	0 2167	13 00000	0.069	39 85	4.01E-01	1.66
5 200	-0.075	0 2200	13 20000	0.075	39 84	4.36E-01	1.70
5 400	-0.075	0 2233	13 40000	0.075	39 84	4.36E-01	1.70
5 600	-0.069	0 2267	13 60000	0.069	39 85	4.01E-01	1.66
5 800	-0.078	0 2300	13 80000	0.078	39 84	4.53E-01	1.71
6 000	-0.081	0 2333	14 00000	0.081	39 84	4.70E-01	1.73
6 200	-0.088	0 2367	14 20000	0.088	39 83	5.11E-01	1.77
6 400	-0.088	0 2400	14 40000	0.088	39 83	5.11E-01	1.77
6 600	-0.088	0 2433	14 60000	0.088	39 83	5.11E-01	1.77
6 800	-0.094	0 2467	14 80000	0.094	39 83	5.46E-01	1.81
7 000	-0.094	0 2500	15 00000	0.094	39 83	5.46E-01	1.81
7 200	-0.091	0 2533	15 20000	0.091	39 83	5.29E-01	1.79
7 400	-0.094	0 2567	15 40000	0.094	39 83	5.46E-01	1.81
7 600	-0.100	0 2600	15 60000	0.100	39 82	5.81E-01	1.84
7 800	-0.100	0 2633	15 80000	0.100	39 82	5.81E-01	1.84
8 000	-0.107	0 2667	16 00000	0.107	39 81	6.21E-01	1.88
8 200	-0.104	0 2700	16.20000	0.104	39 82	6.04E-01	1.86
8 400	-0.110	0 2733	16 40000	0.110	39 81	6.39E-01	1.90
8 600	-0.110	0 2767	16.60000	0.110	39 81	6.39E-01	1.90
8 800	-0.113	0 2800	16 80000	0.113	39 81	6.56E-01	1.92
9 000	-0.113	0 2833	17 00000	0.113	39 81	6.56E-01	1.92
9 200	-0.119	0 2867	17 20000	0.119	39 80	6.91E-01	1.95

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Foot of water)	water level (ftbc)			
9 400	-0.119	0 2900	17 40000	0.119	39 80		6.91E-01	1 95
9 600	-0 123	0 2933	17 60000	0.123	39 80		7 14E-01	1 97
9 800	-0 119	0 2967	17 80000	0 119	39 80		6.91E-01	1 95
10 000	-0 129	0 3000	18.00000	0 129	39 79		7 49E-01	2 01
12.000	-0.138	0.3333	20 00000	0 138	39 78		8.01E-01	2 06
14 000	-0.157	0.3667	22.00000	0 157	39 76		9 12E-01	2 17
16.000	-0.176	0 4000	24.00000	0.176	39 74		1 02E+00	2 28
18 000	-0 195	0 4333	26.00000	0.195	39 72		1 13E+00	2 39
20.000	-0 214	0 4667	28 00000	0.214	39 71		1 24E+00	2 50
22.000	-0.233	0 5000	30 00000	0.233	39 69		1.35E+00	2 61
24 000	-0.252	0 5333	32.00000	0 252	39 67		1 46E+00	2 72
26.000	-0.268	0 5667	34 00000	0 268	39 65		1 56E+00	2 82
28 000	-0 283	0 6000	36.00000	0.283	39 64		1 64E+00	2 90
30 000	-0 299	0 6333	38 00000	0.299	39 62		1 74E+00	3 00
32.000	-0.321	0 6667	40.00000	0.321	39 60		1 86E+00	3 12
34 000	-0.337	0 7000	42.00000	0.337	39 58		1.96E+00	3 22
36.000	-0.353	0 7333	44 00000	0.353	39 57		2.05E+00	3 31
38 000	-0.372	0 7667	46.00000	0.372	39 55		2.16E+00	3 42
40 000	-0.387	0 8000	48.00000	0.387	39 53		2.25E+00	3 51
42.000	-0 406	0 8333	50.00000	0.406	39 51		2.36E+00	3 62
44 000	-0 419	0 8667	52.00000	0.419	39 50		2.43E+00	3 69
46.000	-0.438	0 9000	54.00000	0 438	39 48		2.54E+00	3 80
48 000	-0 457	0 9333	56.00000	0 457	39 46		2.65E+00	3 91
50 000	-0.469	0 9667	58 00000	0 469	39 45		2.72E+00	3 98
52.000	-0.485	1 0000	60 00000	0.485	39 43		2.82E+00	4 08
54 000	-0 501	1 0333	62 00000	0.501	39 42		2.91E+00	4 17
56.000	-0 517	1 0667	64 00000	0 517	39 40		3 00E+00	4 26
58.000	-0 536	1 1000	66 00000	0 536	39 38		3 11E+00	4 37
60 000	-0 548	1 1333	68 00000	0 548	39 37		3 18E+00	4 44
62.000	-0.567	1 1667	70 00000	0.567	39 35		3.29E+00	4 55
64 000	-0 580	1 2000	72 00000	0 580	39 34		3.37E+00	4 63
66.000	-0 592	1 2333	74 00000	0 592	39 33		3 44E+00	4 70
68 000	-0 605	1 2667	76 00000	0 605	39 31		3 51E+00	4 77
70.000	-0 618	1 3000	78 00000	0 618	39 30		3 59E+00	4 85
72.000	-0 630	1 3333	80 00000	0 630	39 29		3 66E+00	4 92
74 000	-0 646	1 3667	82 00000	0 646	39 27		3 75E+00	5 01
76.000	-0 662	1 4000	84 00000	0 662	39 26		3 84E+00	5 11
78 000	-0 671	1 4333	86 00000	0 671	39 25		3 90E+00	5 16
80 000	-0 684	1 4667	88 00000	0 684	39 24		3 97E+00	5 23
82.000	-0 700	1 5000	90 00000	0 700	39 22		4 07E+00	5 33
84 000	-0 712	1 5333	92 00000	0 712	39 21		4 14E+00	5 40
86.000	-0 725	1 5667	94 00000	0 725	39 19		4 21E+00	5 47
88 000	-0 738	1 6000	96 00000	0 738	39 18		4 29E+00	5 55
90 000	-0 756	1 6333	98 00000	0 756	39 16		4 39E+00	5 63
92.000	-0 763	1 6667	100 00000	0 763	39 16		4 43E+00	5 69
94 000	-0.772	1 7000	102 00000	0.772	39 15		4 48E+00	5 74
96.000	-0 791	1 7333	104 00000	0 791	39 13		4 59E+00	5 85
98 000	-0 801	1 7667	106 00000	0 801	39 12		4 65E+00	5 91
100 000	-0 810	1 8000	108 00000	0 810	39 11		4 70E+00	5 96
120 000	-0 930	2.1333	128 00000	0 930	38 99		5 40E+00	6 66
140 000	-1 037	2.4667	148 00000	1 037	38 88		6.02E+00	7 28
160 000	-1 144	2.8000	168 00000	1 144	38 78		6.64E+00	7 90
180 000	-1 248	3 1333	188 00000	1.248	38 67		7 25E+00	8.51
200 000	-1.346	3 4667	208 00000	1 346	38.57		7 82E+00	9 08
220 000	-1 441	3 8000	228 00000	1 441	38 48		8.37E+00	9 63
240 000	-1 536	4 1333	248 00000	1 536	38.38		8 92E+00	10 18
260 000	-1 624	4 4667	268 00000	1 624	38 30		9 43E+00	10 69
280 000	-1 703	4 8000	288 00000	1 703	38 22		9 89E+00	11 15
300 000	-1 785	5 1333	308 00000	1 785	38 13		1 04E+01	11 63
320 000	-1 864	5 4667	328 00000	1 864	38.06		1 08E+01	12.09
340 000	-1 939	5 8000	348 00000	1.939	37 98		1 13E+01	12.52
360 000	-2.009	6.1333	368 00000	2.009	37 91		1 17E+01	12.93
380 000	-2.069	6 4667	388 00000	2.069	37 85		1 20E+01	13 28
400 000	-2.122	6.8000	408 00000	2.122	37 80		1 23E+01	13 58
420 000	-2.160	7 1333	428 00000	2.160	37 76		1.25E+01	13 81
440 000	-2.182	7 4667	448 00000	2.182	37 74		1.27E+01	13 93
460 000	-2.204	7 8000	468 00000	2.204	37 72		1 28E+01	14 06
480 000	-2.223	8.1333	488 00000	2.223	37 70		1 29E+01	14 17
500.000	-2.239	8 4667	508 00000	2.239	37 68		1.30E+01	14 26
520 000	-2.255	8.8000	528 00000	2.255	37 66		1.31E+01	14 36
540 000	-2.271	9 1333	548 00000	2.271	37 65		1.32E+01	14 45
560.000	-2.283	9 4667	568 00000	2.283	37 64		1.33E+01	14 52

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftsl)			
580.000	-2.296	9.8000	588.00000	2.296	37.62	1.33E+01	14.59	
600.000	-2.308	10.1333	608.00000	2.308	37.61	1.34E+01	14.66	
620.000	-2.318	10.4667	628.00000	2.318	37.60	1.35E+01	14.72	
640.000	-2.327	10.8000	648.00000	2.327	37.59	1.35E+01	14.77	
660.000	-2.340	11.1333	668.00000	2.340	37.58	1.36E+01	14.85	
680.000	-2.349	11.4667	688.00000	2.349	37.57	1.36E+01	14.90	
700.000	-2.359	11.8000	708.00000	2.359	37.56	1.37E+01	14.96	
720.000	-2.368	12.1333	728.00000	2.368	37.55	1.38E+01	15.01	
740.000	-2.378	12.4667	748.00000	2.378	37.54	1.38E+01	15.07	
760.000	-2.387	12.8000	768.00000	2.387	37.53	1.39E+01	15.12	
780.000	-2.397	13.1333	788.00000	2.397	37.52	1.39E+01	15.18	
800.000	-2.403	13.4667	808.00000	2.403	37.52	1.40E+01	15.22	
820.000	-2.412	13.8000	828.00000	2.412	37.51	1.40E+01	15.27	
840.000	-2.422	14.1333	848.00000	2.422	37.50	1.41E+01	15.33	
860.000	-2.428	14.4667	868.00000	2.428	37.49	1.41E+01	15.36	
880.000	-2.438	14.8000	888.00000	2.438	37.48	1.42E+01	15.42	
900.000	-2.444	15.1333	908.00000	2.444	37.48	1.42E+01	15.45	
920.000	-2.450	15.4667	928.00000	2.450	37.47	1.42E+01	15.49	
940.000	-2.457	15.8000	948.00000	2.457	37.46	1.43E+01	15.53	
960.000	-2.463	16.1333	968.00000	2.463	37.46	1.43E+01	15.56	
980.000	-2.472	16.4667	988.00000	2.472	37.45	1.44E+01	15.62	
1000.000	-2.479	16.8000	1008.00000	2.479	37.44	1.44E+01	15.66	

Well No. 04691

Measured recovery after sampling

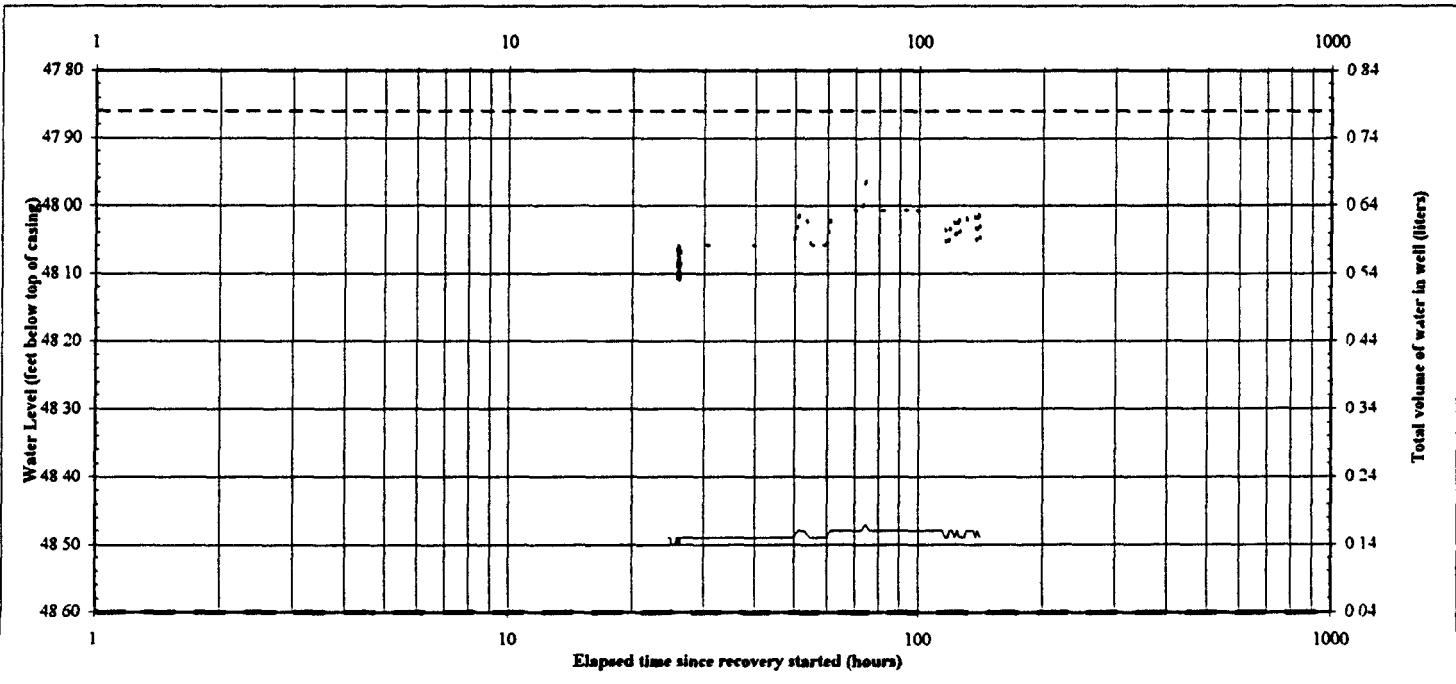
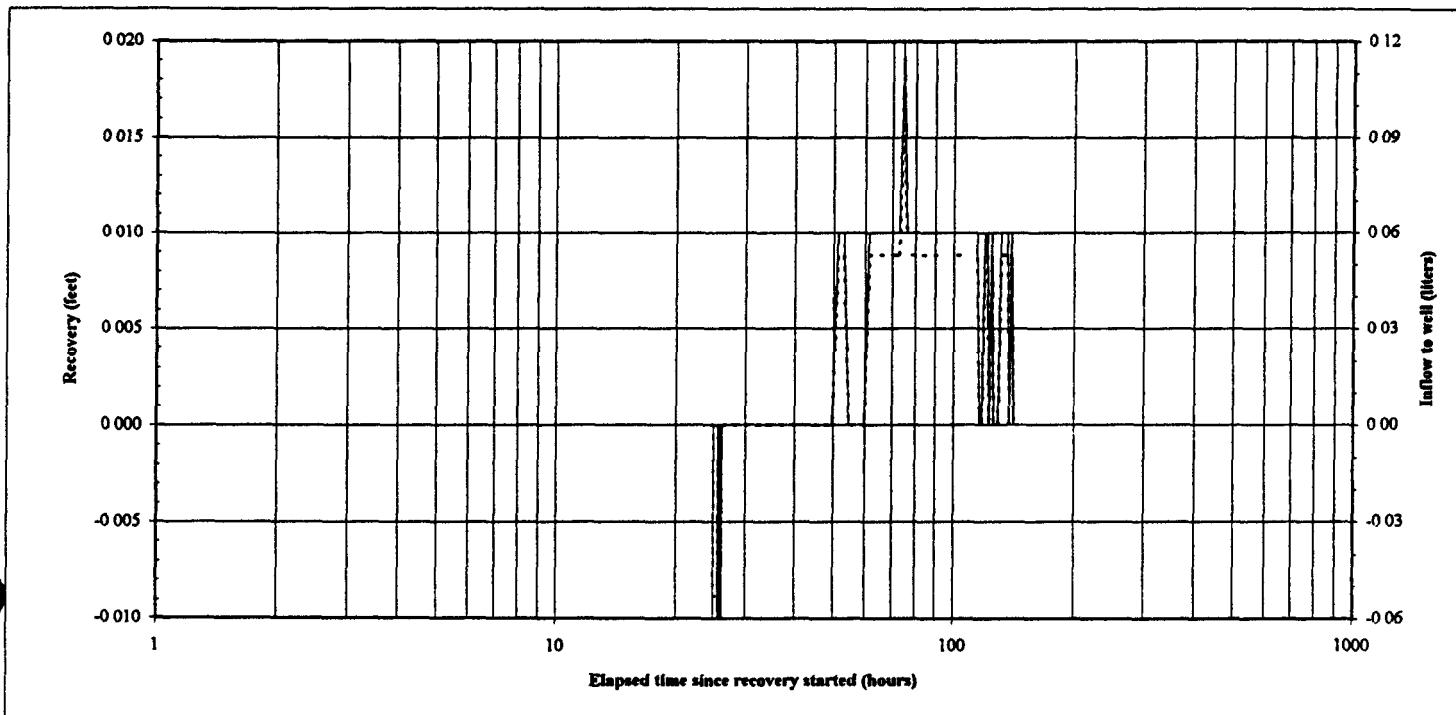
Date: 18-May-94

2nd quarter

1994

Pre-sampling

Static Water Level
- - - - - Bottom of Well
- Water Level
Volume



Well No.

04691

Date Sampled

2nd quarter

5/18/94

Final bail time	13:38	Delay	1477 00	Minutes
Set transducer time	14:13			
Static water level (pre-sampling)	47.9	feet below top of casing		
Final water level (post-recovery)	48.5	feet below top of casing		
Last recorded water level	0.0	feet below transducer		
Transducer Reference Depth	48.5	feet below top of casing		
Bottom of well	48.6	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	48.5	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.6	liters		
Well diameter	9.5	inches	0.792	feet
Well radius	4.8	inches	0.396	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.9	inches	0.244	feet
Top of sandpack	33.3	feet below top of casing		
			0.62	liters/foot
			5.28	liters/foot

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 000	0 000	24 6167	1477 00000	0 000	48 49		
0 003	0 000	24 6167	1477 00330	0 000	48 49	0 00E+00	0 58
0 007	0 000	24 6168	1477 00660	0 000	48 49	0 00E+00	0 58
0 010	0 000	24 6168	1477 00990	0 000	48 49	0 00E+00	0 58
0 013	0 000	24 6169	1477 01330	0 000	48 49	0 00E+00	0 58
0 017	0 000	24 6169	1477 01660	0 000	48 49	0 00E+00	0 58
0 020	0 000	24 6170	1477 02000	0 000	48 49	0 00E+00	0 58
0 023	0 000	24 6171	1477 02330	0 000	48 49	0 00E+00	0 58
0 027	0 000	24 6171	1477 02660	0 000	48 49	0 00E+00	0 58
0 030	0 000	24 6172	1477 03000	0 000	48 49	0 00E+00	0 58
0 033	0 000	24 6172	1477 03330	0 000	48 49	0 00E+00	0 58
0 050	0 000	24 6175	1477 05000	0 000	48 49	0 00E+00	0 58
0 067	0 000	24 6178	1477 06660	0 000	48 49	0 00E+00	0 58
0 083	0 000	24 6181	1477 08330	0 000	48 49	0 00E+00	0 58
0 100	0 000	24 6183	1477 10000	0 000	48 49	0 00E+00	0 58
0 117	0 000	24 6186	1477 11660	0 000	48 49	0 00E+00	0 58
0 133	0 000	24 6189	1477 13330	0 000	48 49	0 00E+00	0 58
0 150	0 000	24 6192	1477 15000	0 000	48 49	0 00E+00	0 58
0 167	0 000	24 6194	1477 16660	0 000	48 49	0 00E+00	0 58
0 183	0 000	24 6197	1477 18330	0 000	48 49	0 00E+00	0 58
0 200	0 000	24 6200	1477 20000	0 000	48 49	0 00E+00	0 58
0 217	0 000	24 6203	1477 21660	0 000	48 49	0 00E+00	0 58
0 233	0 000	24 6206	1477 23330	0 000	48 49	0 00E+00	0 58
0 250	0 000	24 6208	1477 25000	0 000	48 49	0 00E+00	0 58
0 267	0 000	24 6211	1477 26660	0 000	48 49	0 00E+00	0 58
0 283	0 000	24 6214	1477 28330	0 000	48 49	0 00E+00	0 58
0 300	0 000	24 6217	1477 30000	0 000	48 49	0 00E+00	0 58
0 317	0 000	24 6219	1477 31660	0 000	48 49	0 00E+00	0 58
0 333	0 000	24 6222	1477 33330	0 000	48 49	0 00E+00	0 58
0 417	0 000	24 6236	1477 41670	0 000	48 49	0 00E+00	0 58
0 500	0 000	24 6250	1477 50000	0 000	48 49	0 00E+00	0 58
0 583	0 000	24 6264	1477 58330	0 000	48 49	0 00E+00	0 58
0 667	0 000	24 6278	1477 66670	0 000	48 49	0 00E+00	0 58
0 750	0 000	24 6292	1477 75000	0 000	48 49	0 00E+00	0 58
0 833	0 000	24 6306	1477 83330	0 000	48 49	0 00E+00	0 58
0 917	0 000	24 6319	1477 91670	0 000	48 49	0 00E+00	0 58
1 000	0 000	24 6333	1478 00000	0 000	48 49	0 00E+00	0 58
1 083	0 000	24 6347	1478 08330	0 000	48 49	0 00E+00	0 58

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
1 167	0 000	24 6361	1478 16670	0 000	48 49		0 00E+00	0 58
1 250	0 000	24 6375	1478 25000	0 000	48 49		0 00E+00	0 58
1 333	0 000	24 6389	1478 33330	0 000	48 49		0 00E+00	0 58
1 417	0 000	24 6403	1478 41660	0 000	48 49		0 00E+00	0 58
1 500	0 000	24 6417	1478 50000	0 000	48 49		0 00E+00	0 58
1 583	0 000	24 6431	1478 58330	0 000	48 49		0 00E+00	0 58
1 667	0 000	24 6444	1478 66670	0 000	48 49		0 00E+00	0 58
1 750	0 000	24 6458	1478 75000	0 000	48 49		0 00E+00	0 58
1 833	0 000	24 6472	1478 83330	0 000	48 49		0 00E+00	0 58
1 917	0 000	24 6486	1478 91670	0 000	48 49		0 00E+00	0 58
2 000	0 000	24 6500	1479 00000	0 000	48 49		0 00E+00	0 58
2 500	0 000	24 6583	1479 50000	0 000	48 49		0 00E+00	0 58
3 000	0 000	24 6667	1480 00000	0 000	48 49		0 00E+00	0 58
3 500	0 000	24 6750	1480 50000	0 000	48 49		0 00E+00	0 58
4 000	0 000	24 6833	1481 00000	0 000	48 49		0 00E+00	0 58
4 500	0 000	24 6917	1481 50000	0 000	48 49		0 00E+00	0 58
5 000	0 000	24 7000	1482 00000	0 000	48 49		0 00E+00	0 58
5 500	0 000	24 7083	1482 50000	0 000	48 49		0 00E+00	0 58
6 000	0 000	24 7167	1483 00000	0 000	48 49		0 00E+00	0 58
6 500	0 000	24 7250	1483 50000	0 000	48 49		0 00E+00	0 58
7 000	0 000	24 7333	1484 00000	0 000	48 49		0 00E+00	0 58
7 500	0 000	24 7417	1484 50000	0 000	48 49		0 00E+00	0 58
8 000	0 000	24 7500	1485 00000	0 000	48 49		0 00E+00	0 58
8 500	0 000	24 7583	1485 50000	0 000	48 49		0 00E+00	0 58
9 000	0 000	24 7667	1486 00000	0 000	48 49		0 00E+00	0 58
9 500	0 000	24 7750	1486 50000	0 000	48 49		0 00E+00	0 58
10 000	0 000	24 7833	1487 00000	0 000	48 49		0 00E+00	0 58
12 000	0 000	24 8167	1489 00000	0 000	48 49		0 00E+00	0 58
14 000	0 000	24 8500	1491 00000	0 000	48 49		0 00E+00	0 58
16 000	0 000	24 8833	1493 00000	0 000	48 49		0 00E+00	0 58
18 000	0 010	24 9167	1495 00000	-0 010	48 50		-5 28E-02	0 53
20 000	0 010	24 9500	1497 00000	-0 010	48 50		-5 28E-02	0 53
22 000	0 010	24 9833	1499 00000	-0 010	48 50		-5 28E-02	0 53
24 000	0 010	25 0167	1501 00000	-0 010	48 50		-5 28E-02	0 53
26 000	0 010	25 0500	1503 00000	-0 010	48 50		-5 28E-02	0 53
28 000	0 010	25 0833	1505 00000	-0 010	48 50		-5 28E-02	0 53
30 000	0 010	25 1167	1507 00000	-0 010	48 50		-5 28E-02	0 53
32 000	0 010	25 1500	1509 00000	-0 010	48 50		-5 28E-02	0 53
34 000	0 010	25 1833	1511 00000	-0 010	48 50		-5 28E-02	0 53
36 000	0 010	25 2167	1513 00000	-0 010	48 50		-5 28E-02	0 53
38 000	0 010	25 2500	1515 00000	-0 010	48 50		-5 28E-02	0 53
40 000	0 010	25 2833	1517 00000	-0 010	48 50		-5 28E-02	0 53
42 000	0 010	25 3167	1519 00000	-0 010	48 50		-5 28E-02	0 53
44 000	0 010	25 3500	1521 00000	-0 010	48 50		-5 28E-02	0 53
46 000	0 010	25 3833	1523 00000	-0 010	48 50		-5 28E-02	0 53
48 000	0 010	25 4167	1525 00000	-0 010	48 50		-5 28E-02	0 53
50 000	0 010	25 4500	1527 00000	-0 010	48 50		-5 28E-02	0 53
52 000	0 010	25 4833	1529 00000	-0 010	48 50		-5 28E-02	0 53
54 000	0 010	25 5167	1531 00000	-0 010	48 50		-5 28E-02	0 53
56 000	0 010	25 5500	1533 00000	-0 010	48 50		-5 28E-02	0 53
58 000	0 010	25 5833	1535 00000	-0 010	48 50		-5 28E-02	0 53
60 000	0 000	25 6167	1537 00000	0 000	48 49		0 00E+00	0 58
62 000	0 000	25 6500	1539 00000	0 000	48 49		0 00E+00	0 58
64 000	0 010	25 6833	1541 00000	-0 010	48 50		-5 28E-02	0 53
66 000	0 000	25 7167	1543 00000	0 000	48 49		0 00E+00	0 58
68 000	0 000	25 7500	1545 00000	0 000	48 49		0 00E+00	0 58
70 000	0 000	25 7833	1547 00000	0 000	48 49		0 00E+00	0 58
72 000	0 000	25 8167	1549 00000	0 000	48 49		0 00E+00	0 58
74 000	0 000	25 8500	1551 00000	0 000	48 49		0 00E+00	0 58
76 000	0 000	25 8833	1553 00000	0 000	48 49		0 00E+00	0 58
78 000	0 010	25 9167	1555 00000	-0 010	48 50		-5 28E-02	0 53
80 000	0 000	25 9500	1557 00000	0 000	48 49		0 00E+00	0 58
82 000	0 000	25 9833	1559 00000	0 000	48 49		0 00E+00	0 58
84 000	0 010	26 0167	1561 00000	-0 010	48 50		-5 28E-02	0 53
86 000	0 000	26 0500	1563 00000	0 000	48 49		0 00E+00	0 58
88 000	0 000	26 0833	1565 00000	0 000	48 49		0 00E+00	0 58
90 000	0 000	26 1167	1567 00000	0 000	48 49		0 00E+00	0 58
92 000	0 010	26 1500	1569 00000	-0 010	48 50		-5 28E-02	0 53
94 000	0 000	26 1833	1571 00000	0 000	48 49		0 00E+00	0 58
96 000	0 000	26 2167	1573 00000	0 000	48 49		0 00E+00	0 58
98 000	0 000	26 2500	1575 00000	0 000	48 49		0 00E+00	0 58
100 000	0 000	26 2833	1577 00000	0 000	48 49		0 00E+00	0 58

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)		(liters)	(liters)
110 000	0 000	26 4500	1587 00000	0 000	48 49		0 00E+00	0 58
120 000	0 000	26 6167	1597 00000	0 000	48 49		0 00E+00	0 58
130 000	0 000	26 7833	1607 00000	0 000	48 49		0 00E+00	0 58
140 000	0 000	26 9500	1617 00000	0 000	48 49		0 00E+00	0 58
150 000	0 000	27 1167	1627 00000	0 000	48 49		0 00E+00	0 58
160 000	0 000	27 2833	1637 00000	0 000	48 49		0 00E+00	0 58
170 000	0 000	27 4500	1647 00000	0 000	48 49		0 00E+00	0 58
180 000	0 000	27 6167	1657 00000	0 000	48 49		0 00E+00	0 58
190 000	0 000	27 7833	1667 00000	0 000	48 49		0 00E+00	0 58
200 000	0 000	27 9500	1677 00000	0 000	48 49		0 00E+00	0 58
210 000	0 000	28 1167	1687 00000	0 000	48 49		0 00E+00	0 58
220 000	0 000	28 2833	1697 00000	0 000	48 49		0 00E+00	0 58
230 000	0 000	28 4500	1707 00000	0 000	48 49		0 00E+00	0 58
240 000	0 000	28 6167	1717 00000	0 000	48 49		0 00E+00	0 58
250 000	0 000	28 7833	1727 00000	0 000	48 49		0 00E+00	0 58
260 000	0 000	28 9500	1737 00000	0 000	48 49		0 00E+00	0 58
270 000	0 000	29 1167	1747 00000	0 000	48 49		0 00E+00	0 58
280 000	0 000	29 2833	1757 00000	0 000	48 49		0 00E+00	0 58
290 000	0 000	29 4500	1767 00000	0 000	48 49		0 00E+00	0 58
300 000	0 000	29 6167	1777 00000	0 000	48 49		0 00E+00	0 58
310 000	0 000	29 7833	1787 00000	0 000	48 49		0 00E+00	0 58
320 000	0 000	29 9500	1797 00000	0 000	48 49		0 00E+00	0 58
330 000	0 000	30 1167	1807 00000	0 000	48 49		0 00E+00	0 58
340 000	0 000	30 2833	1817 00000	0 000	48 49		0 00E+00	0 58
350 000	0 000	30 4500	1827 00000	0 000	48 49		0 00E+00	0 58
360 000	0 000	30 6167	1837 00000	0 000	48 49		0 00E+00	0 58
370 000	0 000	30 7833	1847 00000	0 000	48 49		0 00E+00	0 58
380 000	0 000	30 9500	1857 00000	0 000	48 49		0 00E+00	0 58
390 000	0 000	31 1167	1867 00000	0 000	48 49		0 00E+00	0 58
400 000	0 000	31 2833	1877 00000	0 000	48 49		0 00E+00	0 58
410 000	0 000	31 4500	1887 00000	0 000	48 49		0 00E+00	0 58
420 000	0 000	31 6167	1897 00000	0 000	48 49		0 00E+00	0 58
430 000	0 000	31 7833	1907 00000	0 000	48 49		0 00E+00	0 58
440 000	0 000	31 9500	1917 00000	0 000	48 49		0 00E+00	0 58
450 000	0 000	32.1167	1927 00000	0 000	48 49		0 00E+00	0 58
460 000	0 000	32.2833	1937 00000	0 000	48 49		0 00E+00	0 58
470 000	0 000	32.4500	1947 00000	0 000	48 49		0 00E+00	0 58
480 000	0 000	32.6167	1957 00000	0 000	48 49		0 00E+00	0 58
490 000	0 000	32.7833	1967 00000	0 000	48 49		0 00E+00	0 58
500 000	0 000	32.9500	1977 00000	0 000	48 49		0 00E+00	0 58
510 000	0 000	33 1167	1987 00000	0 000	48 49		0 00E+00	0 58
520 000	0 000	33 2833	1997 00000	0 000	48 49		0 00E+00	0 58
530 000	0 000	33 4500	2007 00000	0 000	48 49		0 00E+00	0 58
540 000	0 000	33 6167	2017 00000	0 000	48 49		0 00E+00	0 58
550 000	0 000	33 7833	2027 00000	0 000	48 49		0 00E+00	0 58
560 000	0 000	33 9500	2037 00000	0 000	48 49		0 00E+00	0 58
570 000	0 000	34 1167	2047 00000	0 000	48 49		0 00E+00	0 58
580 000	0 000	34 2833	2057 00000	0 000	48 49		0 00E+00	0 58
590 000	0 000	34 4500	2067 00000	0 000	48 49		0 00E+00	0 58
600 000	0 000	34 6167	2077 00000	0 000	48 49		0 00E+00	0 58
610 000	0 000	34 7833	2087 00000	0 000	48 49		0 00E+00	0 58
620 000	0 000	34 9500	2097 00000	0 000	48 49		0 00E+00	0 58
630 000	0 000	35 1167	2107 00000	0 000	48 49		0 00E+00	0 58
640 000	0 000	35 2833	2117 00000	0 000	48 49		0 00E+00	0 58
650 000	0 000	35 4500	2127 00000	0 000	48 49		0 00E+00	0 58
660 000	0 000	35 6167	2137 00000	0 000	48 49		0 00E+00	0 58
670 000	0 000	35 7833	2147 00000	0 000	48 49		0 00E+00	0 58
680 000	0 000	35 9500	2157 00000	0 000	48 49		0 00E+00	0 58
690 000	0 000	36 1167	2167 00000	0 000	48 49		0 00E+00	0 58
700 000	0 000	36 2833	2177 00000	0 000	48 49		0 00E+00	0 58
710 000	0 000	36 4500	2187 00000	0 000	48 49		0 00E+00	0 58
720 000	0 000	36 6167	2197 00000	0 000	48 49		0 00E+00	0 58
730 000	0 000	36 7833	2207 00000	0 000	48 49		0 00E+00	0 58
740 000	0 000	36 9500	2217 00000	0 000	48 49		0 00E+00	0 58
750 000	0 000	37 1167	2227 00000	0 000	48 49		0 00E+00	0 58
760 000	0 000	37 2833	2237 00000	0 000	48 49		0 00E+00	0 58
770 000	0 000	37 4500	2247 00000	0 000	48 49		0 00E+00	0 58
780 000	0 000	37 6167	2257 00000	0 000	48 49		0 00E+00	0 58
790 000	0 000	37 7833	2267 00000	0 000	48 49		0 00E+00	0 58
800 000	0 000	37 9500	2277 00000	0 000	48 49		0 00E+00	0 58
810 000	0 000	38 1167	2287 00000	0 000	48 49		0 00E+00	0 58
820 000	0 000	38 2833	2297 00000	0 000	48 49		0 00E+00	0 58

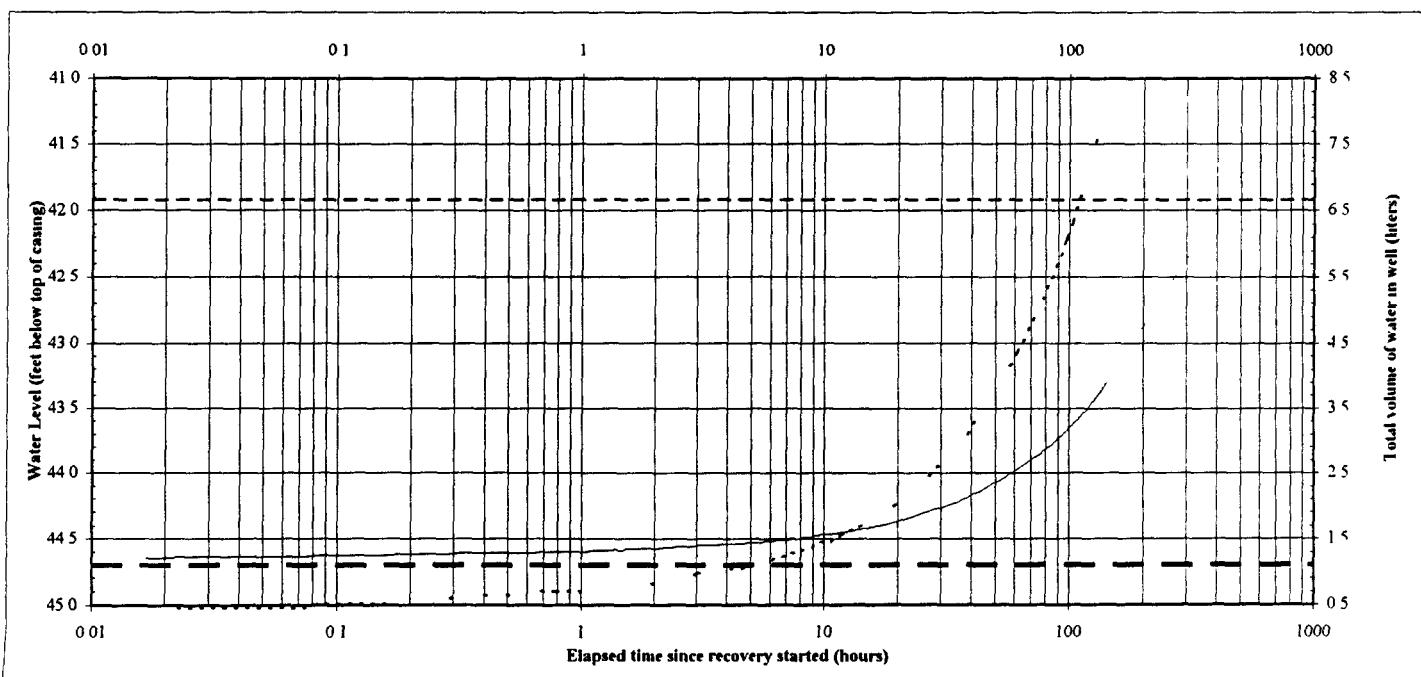
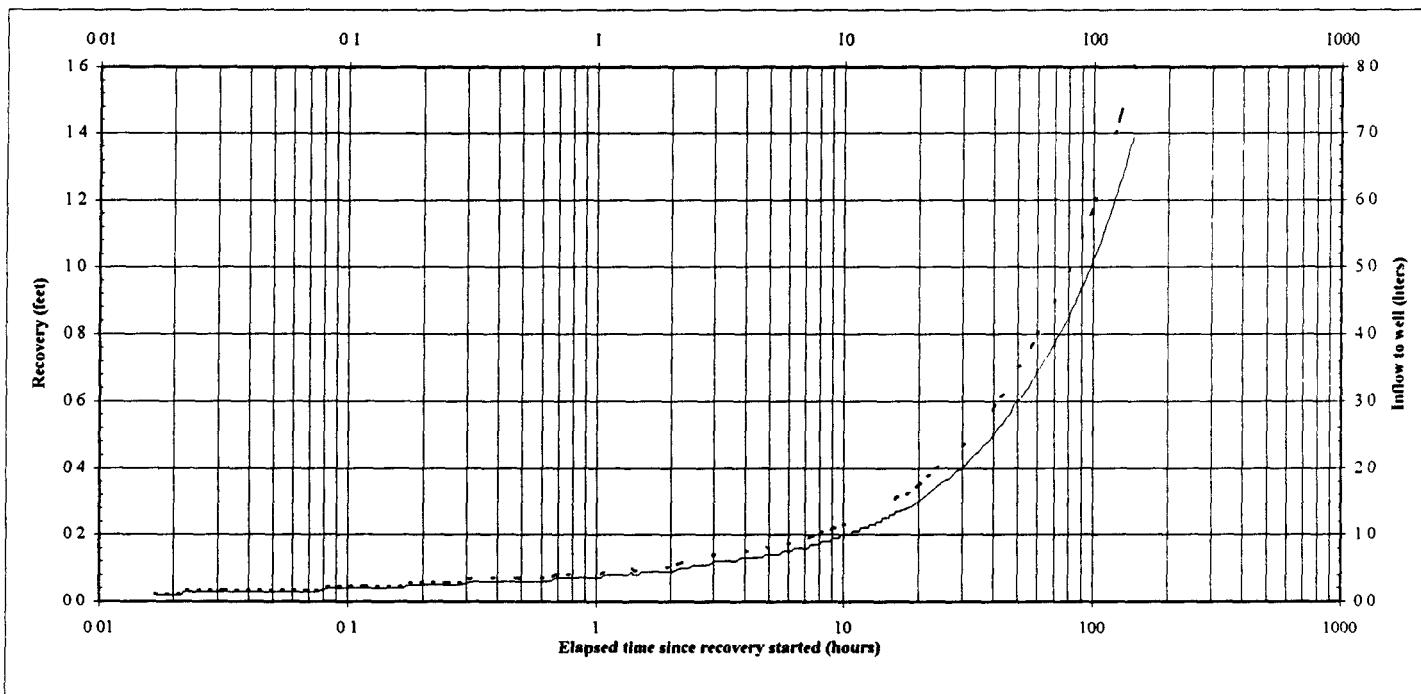
Input data						Cumulative	Volume of water in well	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
830 000	0 000	38 4500	2307 00000	0 000	48 49	0 00E+00	0 58	0 58
840 000	0 000	38 6167	2317 00000	0 000	48 49	0 00E+00	0 58	0 58
850 000	0 000	38 7833	2327 00000	0 000	48 49	0 00E+00	0 58	0 58
860 000	0 000	38 9500	2337 00000	0 000	48 49	0 00E+00	0 58	0 58
870 000	0 000	39 1167	2347 00000	0 000	48 49	0 00E+00	0 58	0 58
880 000	0 000	39 2833	2357 00000	0 000	48 49	0 00E+00	0 58	0 58
890 000	0 000	39 4500	2367 00000	0 000	48 49	0 00E+00	0 58	0 58
900 000	0 000	39 6167	2377 00000	0 000	48 49	0 00E+00	0 58	0 58
910 000	0 000	39 7833	2387 00000	0 000	48 49	0 00E+00	0 58	0 58
920 000	0 000	39 9500	2397 00000	0 000	48 49	0 00E+00	0 58	0 58
930 000	0 000	40 1167	2407 00000	0 000	48 49	0 00E+00	0 58	0 58
940 000	0 000	40 2833	2417 00000	0 000	48 49	0 00E+00	0 58	0 58
950 000	0 000	40 4500	2427 00000	0 000	48 49	0 00E+00	0 58	0 58
960 000	0 000	40 6167	2437 00000	0 000	48 49	0 00E+00	0 58	0 58
970 000	0 000	40 7833	2447 00000	0 000	48 49	0 00E+00	0 58	0 58
980 000	0 000	40 9500	2457 00000	0 000	48 49	0 00E+00	0 58	0 58
990 000	0 000	41 1167	2467 00000	0 000	48 49	0 00E+00	0 58	0 58
1000 000	0 000	41 2833	2477 00000	0 000	48 49	0 00E+00	0 58	0 58
1100 000	0 000	42.9500	2577 00000	0 000	48 49	0 00E+00	0 58	0 58
1200 000	0 000	44 6167	2677 00000	0 000	48 49	0 00E+00	0 58	0 58
1300 000	0 000	46.2833	2777 00000	0 000	48 49	0 00E+00	0 58	0 58
1400 000	0 000	47 9500	2877 00000	0 000	48 49	0 00E+00	0 58	0 58
1500 000	0 000	49 6167	2977 00000	0 000	48 49	0 00E+00	0 58	0 58
1600 000	-0 010	51 2833	3077 00000	0 010	48 48	5 28E-02	0 63	
1700 000	-0 010	52.9500	3177 00000	0 010	48 48	5 28E-02	0 63	
1800 000	0 000	54 6167	3277 00000	0 000	48 49	0 00E+00	0 58	
1900 000	0 000	56 2833	3377 00000	0 000	48 49	0 00E+00	0 58	
2000 000	0 000	57 9500	3477 00000	0 000	48 49	0 00E+00	0 58	
2100 000	0 000	59 6167	3577 00000	0 000	48 49	0 00E+00	0 58	
2200 000	-0 010	61 2833	3677 00000	0 010	48 48	5 28E-02	0 63	
2300 000	-0 010	62 9500	3777 00000	0 010	48 48	5 28E-02	0 63	
2400 000	-0 010	64 6167	3877 00000	0 010	48 48	5 28E-02	0 63	
2500 000	-0 010	66 2833	3977 00000	0 010	48 48	5 28E-02	0 63	
2600 000	-0 010	67 9500	4077 00000	0 010	48 48	5 28E-02	0 63	
2700 000	-0 010	69 6167	4177 00000	0 010	48 48	5 28E-02	0 63	
2800 000	-0 010	71 2833	4277 00000	0 010	48 48	5 28E-02	0 63	
2900 000	-0 010	72.9500	4377 00000	0 010	48 48	5 28E-02	0 63	
3000 000	-0 020	74 6167	4477 00000	0 020	48 47	1 06E-01	0 69	
3100 000	-0 010	76.2833	4577 00000	0 010	48 48	5 28E-02	0 63	
3200 000	-0 010	77 9500	4677 00000	0 010	48 48	5 28E-02	0 63	
3300 000	-0 010	79 6167	4777 00000	0 010	48 48	5 28E-02	0 63	
3400 000	-0 010	81 2833	4877 00000	0 010	48 48	5 28E-02	0 63	
3500 000	-0 010	82.9500	4977 00000	0 010	48 48	5 28E-02	0 63	
3600 000	-0 010	84 6167	5077 00000	0 010	48 48	5 28E-02	0 63	
3700 000	-0 010	86 2833	5177 00000	0 010	48 48	5 28E-02	0 63	
3800 000	-0 010	87 9500	5277 00000	0 010	48 48	5 28E-02	0 63	
3900 000	-0 010	89 6167	5377 00000	0 010	48 48	5 28E-02	0 63	
4000 000	-0 010	91 2833	5477 00000	0 010	48 48	5 28E-02	0 63	
4100 000	-0 010	92.9500	5577 00000	0 010	48 48	5 28E-02	0 63	
4200 000	-0 010	94 6167	5677 00000	0 010	48 48	5 28E-02	0 63	
4300 000	-0 010	96 2833	5777 00000	0 010	48 48	5 28E-02	0 63	
4400 000	-0 010	97 9500	5877 00000	0 010	48 48	5 28E-02	0 63	
4500 000	-0 010	99 6167	5977 00000	0 010	48 48	5 28E-02	0 63	
4600 000	-0 010	101 2833	6077 00000	0 010	48 48	5 28E-02	0 63	
4700 000	-0 010	102 9500	6177 00000	0 010	48 48	5 28E-02	0 63	
4800 000	-0 010	104 6167	6277 00000	0 010	48 48	5 28E-02	0 63	
4900 000	-0 010	106 2833	6377 00000	0 010	48 48	5 28E-02	0 63	
5000 000	-0 010	107 9500	6477 00000	0 010	48 48	5 28E-02	0 63	
5100 000	-0 010	109 6167	6577 00000	0 010	48 48	5 28E-02	0 63	
5200 000	-0 010	111 2833	6677 00000	0 010	48 48	5 28E-02	0 63	
5300 000	-0 010	112.9500	6777 00000	0 010	48 48	5 28E-02	0 63	
5400 000	-0 010	114 6167	6877 00000	0 010	48 48	5 28E-02	0 63	
5500 000	0 000	116 2833	6977 00000	0 000	48 49	0 00E+00	0 58	
5600 000	0 000	117 9500	7077 00000	0 000	48 49	0 00E+00	0 58	
5700 000	-0 010	119 6167	7177 00000	0 010	48 48	5 28E-02	0 63	
5800 000	-0 010	121 2833	7277 00000	0 010	48 48	5 28E-02	0 63	
5900 000	0 000	122.9500	7377 00000	0 000	48 49	0 00E+00	0 58	
6000 000	-0 010	124 6167	7477 00000	0 010	48 48	5 28E-02	0 63	
6100 000	0 000	126 2833	7577 00000	0 000	48 49	0 00E+00	0 58	
6200 000	0 000	127 9500	7677 00000	0 000	48 49	0 00E+00	0 58	
6300 000	0 000	129 6167	7777 00000	0 000	48 49	0 00E+00	0 58	
6400 000	-0 010	131 2833	7877 00000	0 010	48 48	5 28E-02	0 63	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
6500 000	-0 010	132.9500	132.9500	7977 00000	0 010	48 48	5 28E-02	0 63
6600 000	-0 010	134 6167	134 6167	8077 00000	0 010	48 48	5 28E-02	0 63
6700 000	-0 010	136 2833	136 2833	8177 00000	0 010	48 48	5 28E-02	0 63
6800 000	0 000	137 9500	137 9500	8277 00000	0 000	48 49	0 00E+00	0 58
6900 000	-0 010	139 6167	139 6167	8377 00000	0 010	48 48	5 28E-02	0 63
7000 000	0 000	141 2833	141 2833	8477 00000	0 000	48 49	0 00E+00	0 58

Well No. 04991
Measured recovery after sampling

Date: 9-Aug-94
3rd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well
 - - - Water Level
 - - - Volume
 - - - Extrapolation to 100% recovery



Well No.

04991

Date Sampled

3rd quarter

9-Aug-94

Final bail time	13:59			
Set transducer time	14:00			
Static water level (pre-sampling)	41.9			
Final water level (post-recovery)	43.3			
Last recorded water level	43.8			
Transducer Reference Depth	44.7			
Bottom of well	44.7			
First recorded water level	0.0			
First recorded water level	44.7			
Water column remaining in casing after purging	0.1			
Volume remaining in casing after purging	0.3			
Well diameter	18.0			
Well radius	5.0			
Casing diameter	2.0			
Casing radius	1.0			
Effective well radius	3.1			
Top of sandpack	29.7	feet below top of casing	0.833	feet
			0.417	feet
			0.167	feet
			0.083	feet
			0.255	feet
			0.62	liters/foot
			5.81	liters/foot

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)			
0.000	-0.020	0.0167	1 00000	0 020	44.65		
0.003	-0.020	0.0167	1 00330	0 020	44.65	1 16E-01	0.41
0.007	-0.020	0.0168	1 00660	0 020	44.65	1 16E-01	0.41
0.010	-0.020	0.0168	1 00990	0 020	44.65	1 16E-01	0.41
0.013	-0.020	0.0169	1 01330	0 020	44.65	1 16E-01	0.41
0.017	-0.020	0.0169	1 01660	0 020	44.65	1 16E-01	0.41
0.020	-0.020	0.0170	1 02000	0 020	44.65	1 16E-01	0.41
0.023	-0.020	0.0171	1 02330	0 020	44.65	1 16E-01	0.41
0.027	-0.020	0.0171	1 02660	0 020	44.65	1 16E-01	0.41
0.030	-0.020	0.0172	1 03000	0 020	44.65	1 16E-01	0.41
0.033	-0.020	0.0172	1 03330	0 020	44.65	1 16E-01	0.41
0.050	-0.020	0.0175	1 05000	0 020	44.65	1 16E-01	0.41
0.067	-0.020	0.0178	1 06660	0 020	44.65	1 16E-01	0.41
0.083	-0.020	0.0181	1 08330	0 020	44.65	1 16E-01	0.41
0.100	-0.020	0.0183	1 10000	0 020	44.65	1 16E-01	0.41
0.117	-0.020	0.0186	1 11660	0 020	44.65	1 16E-01	0.41
0.133	-0.020	0.0189	1 13330	0 020	44.65	1 16E-01	0.41
0.150	-0.020	0.0192	1 15000	0 020	44.65	1 16E-01	0.41
0.167	-0.020	0.0194	1 16660	0 020	44.65	1 16E-01	0.41
0.183	-0.020	0.0197	1 18330	0 020	44.65	1 16E-01	0.41
0.200	-0.020	0.0200	1 20000	0 020	44.65	1 16E-01	0.41
0.217	-0.020	0.0203	1 21660	0 020	44.65	1 16E-01	0.41
0.233	-0.020	0.0206	1 23330	0 020	44.65	1 16E-01	0.41
0.250	-0.020	0.0208	1 25000	0 020	44.65	1 16E-01	0.41
0.267	-0.020	0.0211	1 26660	0 020	44.65	1 16E-01	0.41
0.283	-0.020	0.0214	1 28330	0 020	44.65	1 16E-01	0.41
0.300	-0.020	0.0217	1 30000	0 020	44.65	1 16E-01	0.41
0.317	-0.030	0.0219	1 31660	0 030	44.64	1 74E-01	0.46
0.333	-0.030	0.0222	1 33330	0 030	44.64	1 74E-01	0.46
0.417	-0.030	0.0236	1 41670	0 030	44.64	1 74E-01	0.46
0.500	-0.030	0.0250	1 50000	0 030	44.64	1 74E-01	0.46
0.583	-0.030	0.0264	1 58330	0 030	44.64	1 74E-01	0.46
0.667	-0.030	0.0278	1 66670	0 030	44.64	1 74E-01	0.46
0.750	-0.030	0.0292	1 75000	0 030	44.64	1 74E-01	0.46
0.833	-0.030	0.0306	1 83330	0 030	44.64	1 74E-01	0.46
0.917	-0.030	0.0319	1 91670	0 030	44.64	1 74E-01	0.46
1.000	-0.030	0.0333	2.00000	0 030	44.64	1 74E-01	0.46
1.083	-0.030	0.0347	2.08330	0 030	44.64	1 74E-01	0.46

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time								
1 167	-0 030	0 0361	2.16670	0 030	44 64	1 74E-01	0 46		
1 250	-0 030	0 0375	2.25000	0 030	44 64	1 74E-01	0 46		
1 333	-0 030	0 0389	2.33330	0 030	44 64	1 74E-01	0 46		
1 417	-0 030	0 0403	2.41660	0 030	44 64	1 74E-01	0 46		
1 500	-0 030	0 0417	2.50000	0 030	44 64	1 74E-01	0 46		
1 583	-0 030	0 0431	2.58330	0 030	44 64	1 74E-01	0 46		
1 667	-0 030	0 0444	2.66670	0 030	44 64	1 74E-01	0 46		
1 750	-0 030	0 0458	2.75000	0 030	44 64	1 74E-01	0 46		
1 833	-0 030	0 0472	2.83330	0 030	44 64	1 74E-01	0 46		
1 917	-0 030	0 0486	2.91670	0 030	44 64	1 74E-01	0 46		
2 000	-0 030	0 0500	3 00000	0 030	44 64	1 74E-01	0 46		
2 500	-0 030	0 0583	3 50000	0 030	44 64	1 74E-01	0 46		
3 000	-0 030	0 0667	4 00000	0 030	44 64	1 74E-01	0 46		
3 500	-0 030	0 0750	4 50000	0 030	44 64	1 74E-01	0 46		
4 000	-0 040	0 0833	5 00000	0 040	44 63	2 32E-01	0 52		
4 500	-0 040	0 0917	5 50000	0 040	44 63	2 32E-01	0 52		
5 000	-0 040	0 1000	6 00000	0 040	44 63	2 32E-01	0 52		
5 500	-0 040	0 1083	6 50000	0 040	44 63	2 32E-01	0 52		
6 000	-0 040	0 1167	7 00000	0 040	44 63	2 32E-01	0 52		
6 500	-0 040	0 1250	7 50000	0 040	44 63	2 32E-01	0 52		
7 000	-0 040	0 1333	8 00000	0 040	44 63	2 32E-01	0 52		
7 500	-0 040	0 1417	8 50000	0 040	44 63	2 32E-01	0 52		
8 000	-0 040	0 1500	9 00000	0 040	44 63	2 32E-01	0 52		
8 500	-0 040	0 1583	9 50000	0 040	44 63	2 32E-01	0 52		
9 000	-0 040	0 1667	10 00000	0 040	44 63	2 32E-01	0 52		
9 500	-0 050	0 1750	10 50000	0 050	44 62	2 90E-01	0 58		
10 000	-0 050	0 1833	11 00000	0 050	44 62	2 90E-01	0 58		
12 000	-0 050	0 2167	13 00000	0 050	44 62	2 90E-01	0 58		
14 000	-0 050	0 2500	15 00000	0 050	44 62	2 90E-01	0 58		
16 000	-0 050	0 2833	17 00000	0 050	44 62	2 90E-01	0 58		
18 000	-0 060	0 3167	19 00000	0 060	44 61	3 48E-01	0 64		
20 000	-0 060	0 3500	21 00000	0 060	44 61	3 48E-01	0 64		
22 000	-0 060	0 3833	23 00000	0 060	44 61	3 48E-01	0 64		
24 000	-0 060	0 4167	25 00000	0 060	44 61	3 48E-01	0 64		
26 000	-0 060	0 4500	27 00000	0 060	44 61	3 48E-01	0 64		
28 000	-0 060	0 4833	29 00000	0 060	44 61	3 48E-01	0 64		
30 000	-0 060	0 5167	31 00000	0 060	44 61	3 48E-01	0 64		
32 000	-0 060	0 5500	33 00000	0 060	44 61	3 48E-01	0 64		
34 000	-0 060	0 5833	35 00000	0 060	44 61	3 48E-01	0 64		
36 000	-0 060	0 6167	37 00000	0 060	44 61	3 48E-01	0 64		
38 000	-0 060	0 6500	39 00000	0 060	44 61	3 48E-01	0 64		
40 000	-0 070	0 6833	41 00000	0 070	44 60	4 07E-01	0 70		
42 000	-0 070	0 7167	43 00000	0 070	44 60	4 07E-01	0 70		
44 000	-0 070	0 7500	45 00000	0 070	44 60	4 07E-01	0 70		
46 000	-0 070	0 7833	47 00000	0 070	44 60	4 07E-01	0 70		
48 000	-0 070	0 8167	49 00000	0 070	44 60	4 07E-01	0 70		
50 000	-0 070	0 8500	51 00000	0 070	44 60	4 07E-01	0 70		
52 000	-0 070	0 8833	53 00000	0 070	44 60	4 07E-01	0 70		
54 000	-0 070	0 9167	55 00000	0 070	44 60	4 07E-01	0 70		
56 000	-0 070	0 9500	57 00000	0 070	44 60	4 07E-01	0 70		
58 000	-0 070	0 9833	59 00000	0 070	44 60	4 07E-01	0 70		
60 000	-0 070	1 0167	61 00000	0 070	44 60	4 07E-01	0 70		
62 000	-0 070	1 0500	63 00000	0 070	44 60	4 07E-01	0 70		
64 000	-0 080	1 0833	65 00000	0 080	44 59	4 65E-01	0 76		
66 000	-0 080	1 1167	67 00000	0 080	44 59	4 65E-01	0 76		
68 000	-0 080	1 1500	69 00000	0 080	44 59	4 65E-01	0 76		
70 000	-0 080	1 1833	71 00000	0 080	44 59	4 65E-01	0 76		
72 000	-0 080	1 2167	73 00000	0 080	44 59	4 65E-01	0 76		
74 000	-0 080	1 2500	75 00000	0 080	44 59	4 65E-01	0 76		
76 000	-0 080	1 2833	77 00000	0 080	44 59	4 65E-01	0 76		
78 000	-0 080	1 3167	79 00000	0 080	44 59	4 65E-01	0 76		
80 000	-0 080	1 3500	81 00000	0 080	44 59	4 65E-01	0 76		
82 000	-0 090	1 3833	83 00000	0 090	44 58	5 23E-01	0 81		
84 000	-0 080	1 4167	85 00000	0 080	44 59	4 65E-01	0 76		
86 000	-0 080	1 4500	87 00000	0 080	44 59	4 65E-01	0 76		
88 000	-0 080	1 4833	89 00000	0 080	44 59	4 65E-01	0 76		
90 000	-0 090	1 5167	91 00000	0 090	44 58	5 23E-01	0 81		
92 000	-0 090	1 5500	93 00000	0 090	44 58	5 23E-01	0 81		
94 000	-0 090	1 5833	95 00000	0 090	44 58	5 23E-01	0 81		
96 000	-0 090	1 6167	97 00000	0 090	44 58	5 23E-01	0 81		
98 000	-0 090	1 6500	99 00000	0 090	44 58	5 23E-01	0 81		
100 000	-0 090	1 6833	101 00000	0 090	44 58	5 23E-01	0 81		

Input data						Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	Δ head	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
110 000	-0 090	1 8500	111 00000	0 090	44 58	5 23E-01	0 81
120 000	-0 090	2.0167	121 00000	0 090	44 58	5 23E-01	0 81
130 000	-0 100	2.1833	131 00000	0 100	44 57	5 81E-01	0 87
140 000	-0 100	2.3500	141 00000	0 100	44 57	5 81E-01	0 87
150 000	-0 110	2.5167	151 00000	0 110	44 56	6 39E-01	0 93
160 000	-0 110	2.6833	161 00000	0 110	44 56	6 39E-01	0 93
170 000	-0 110	2.8500	171 00000	0 110	44 56	6 39E-01	0 93
180 000	-0 120	3 0167	181 00000	0 120	44 55	6 97E-01	0 99
190 000	-0 120	3 1833	191 00000	0 120	44 55	6 97E-01	0 99
200 000	-0 120	3 3500	201 00000	0 120	44 55	6 97E-01	0 99
210 000	-0 120	3 5167	211 00000	0 120	44 55	6 97E-01	0 99
220 000	-0 120	3 6833	221 00000	0 120	44 55	6.97E-01	0 99
230 000	-0 130	3 8500	231 00000	0 130	44 54	7 55E-01	1 05
240 000	-0 130	4 0167	241 00000	0 130	44 54	7 55E-01	1 05
250 000	-0 130	4 1833	251 00000	0 130	44 54	7 55E-01	1 05
260 000	-0 130	4 3500	261 00000	0 130	44 54	7 55E-01	1 05
270 000	-0 130	4 5167	271 00000	0 130	44 54	7 55E-01	1 05
280 000	-0 130	4 6833	281 00000	0 130	44 54	7 55E-01	1 05
290 000	-0 140	4 8500	291 00000	0 140	44 53	8 13E-01	1 10
300 000	-0 140	5 0167	301 00000	0 140	44 53	8 13E-01	1 10
310 000	-0 140	5 1833	311 00000	0 140	44 53	8 13E-01	1 10
320 000	-0 140	5 3500	321 00000	0 140	44 53	8 13E-01	1 10
330 000	-0 140	5 5167	331 00000	0 140	44 53	8 13E-01	1 10
340 000	-0 150	5 6833	341 00000	0 150	44 52	8 71E-01	1 16
350 000	-0 150	5 8500	351 00000	0 150	44 52	8 71E-01	1 16
360 000	-0 150	6 0167	361 00000	0 150	44 52	8 71E-01	1 16
370 000	-0 150	6 1833	371 00000	0 150	44 52	8 71E-01	1 16
380 000	-0 160	6 3500	381 00000	0 160	44 51	9 29E-01	1 22
390 000	-0 160	6 5167	391 00000	0 160	44 51	9 29E-01	1 22
400 000	-0 160	6 6833	401 00000	0 160	44 51	9 29E-01	1 22
410 000	-0 160	6 8500	411 00000	0 160	44 51	9 29E-01	1 22
420 000	-0 160	7 0167	421 00000	0 160	44 51	9 29E-01	1 22
430 000	-0 160	7 1833	431 00000	0 160	44 51	9 29E-01	1 22
440 000	-0 170	7 3500	441 00000	0 170	44 50	9 87E-01	1 28
450 000	-0 170	7 5167	451 00000	0 170	44 50	9 87E-01	1 28
460 000	-0 170	7 6833	461 00000	0 170	44 50	9 87E-01	1 28
470 000	-0 170	7 8500	471 00000	0 170	44 50	9 87E-01	1 28
480 000	-0 170	8 0167	481 00000	0 170	44 50	9 87E-01	1 28
490 000	-0 180	8 1833	491 00000	0 180	44 49	1 05E+00	1 34
500 000	-0 180	8 3500	501 00000	0 180	44 49	1 05E+00	1 34
510 000	-0 180	8 5167	511 00000	0 180	44 49	1 05E+00	1 34
520 000	-0 180	8 6833	521 00000	0 180	44 49	1 05E+00	1 34
530 000	-0 180	8 8500	531 00000	0 180	44 49	1 05E+00	1 34
540 000	-0 190	9 0167	541 00000	0 190	44 48	1 10E+00	1 39
550 000	-0 190	9 1833	551 00000	0 190	44 48	1 10E+00	1 39
560 000	-0 190	9 3500	561 00000	0 190	44 48	1 10E+00	1 39
570 000	-0 190	9 5167	571 00000	0 190	44 48	1 10E+00	1 39
580 000	-0 200	9 6833	581 00000	0 200	44 47	1 16E+00	1 45
590 000	-0 200	9 8500	591 00000	0 200	44 47	1 16E+00	1 45
600 000	-0 200	10 0167	601 00000	0 200	44 47	1 16E+00	1 45
610 000	-0 200	10 1833	611 00000	0 200	44 47	1 16E+00	1 45
620 000	-0 200	10 3500	621 00000	0 200	44 47	1 16E+00	1 45
630 000	-0 200	10 5167	631 00000	0 200	44 47	1 16E+00	1 45
640 000	-0 200	10 6833	641 00000	0 200	44 47	1 16E+00	1 45
650 000	-0 210	10 8500	651 00000	0 210	44 46	1 22E+00	1 51
660 000	-0 210	11 0167	661 00000	0 210	44 46	1 22E+00	1 51
670 000	-0 210	11 1833	671 00000	0 210	44 46	1 22E+00	1 51
680 000	-0 210	11 3500	681 00000	0 210	44 46	1 22E+00	1 51
690 000	-0 210	11 5167	691 00000	0 210	44 46	1 22E+00	1 51
700 000	-0 220	11 6833	701 00000	0 220	44 45	1 28E+00	1 57
710 000	-0 220	11 8500	711 00000	0 220	44 45	1 28E+00	1 57
720 000	-0 220	12.0167	721 00000	0 220	44 45	1 28E+00	1 57
730 000	-0 220	12 1833	731 00000	0 220	44 45	1 28E+00	1 57
740 000	-0 220	12 3500	741 00000	0 220	44 45	1 28E+00	1 57
750 000	-0 220	12 5167	751 00000	0 220	44 45	1 28E+00	1 57
760 000	-0 230	12 6833	761 00000	0 230	44 44	1 34E+00	1 63
770 000	-0 230	12.8500	771 00000	0 230	44 44	1 34E+00	1 63
780 000	-0 230	13 0167	781 00000	0 230	44 44	1 34E+00	1 63
790 000	-0 230	13 1833	791 00000	0 230	44 44	1 34E+00	1 63
800 000	-0 230	13 3500	801 00000	0 230	44 44	1 34E+00	1 63
810 000	-0 240	13 5167	811 00000	0 240	44 43	1 39E+00	1 68
820 000	-0 240	13 6833	821 00000	0 240	44 43	1 39E+00	1 68

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
830 000	-0 240	13 8500	831 00000	0 240	44 43		1 39E+00	1 68
840 000	-0 240	14 0167	841 00000	0 240	44 43		1 39E+00	1 68
850 000	-0 240	14 1833	851 00000	0 240	44 43		1 39E+00	1 68
860 000	-0 250	14 3500	861 00000	0 250	44 42		1 45E+00	1 74
870 000	-0 250	14 5167	871 00000	0 250	44 42		1 45E+00	1 74
880 000	-0 250	14 6833	881 00000	0 250	44 42		1 45E+00	1 74
890 000	-0 250	14 8500	891 00000	0 250	44 42		1 45E+00	1 74
900 000	-0 250	15 0167	901 00000	0 250	44 42		1 45E+00	1 74
910 000	-0 250	15 1833	911 00000	0 250	44 42		1 45E+00	1 74
920 000	-0 260	15 3500	921 00000	0 260	44 41		1 51E+00	1 80
930 000	-0 260	15 5167	931 00000	0 260	44 41		1 51E+00	1 80
940 000	-0 260	15 6833	941 00000	0 260	44 41		1 51E+00	1 80
950 000	-0 260	15 8500	951 00000	0 260	44 41		1 51E+00	1 80
960 000	-0 260	16 0167	961 00000	0 260	44 41		1 51E+00	1 80
970 000	-0 270	16 1833	971 00000	0 270	44 40		1 57E+00	1 86
980 000	-0 270	16 3500	981 00000	0 270	44 40		1 57E+00	1 86
990 000	-0 270	16 5167	991 00000	0 270	44 40		1 57E+00	1 86
1000 000	-0 270	16 6833	1001 00000	0 270	44 40		1 57E+00	1 86
1100 000	-0 280	18 3500	1101 00000	0 280	44 39		1 63E+00	1 92
1200 000	-0 300	20 0167	1201 00000	0 300	44 37		1 74E+00	2 03
1300 000	-0 320	21 6833	1301 00000	0 320	44 35		1 86E+00	2 15
1400 000	-0 340	23 3500	1401 00000	0 340	44 33		1 97E+00	2 27
1500 000	-0 360	25 0167	1501 00000	0 360	44 31		2 09E+00	2 38
1600 000	-0 370	26 6833	1601 00000	0 370	44 30		2 15E+00	2 44
1700 000	-0 390	28 3500	1701 00000	0 390	44 28		2 27E+00	2 56
1800 000	-0 400	30 0167	1801 00000	0 400	44 27		2 32E+00	2 61
1900 000	-0 420	31 6833	1901 00000	0 420	44 25		2 44E+00	2 73
2000 000	-0 440	33 3500	2001 00000	0 440	44 23		2 56E+00	2 85
2100 000	-0 450	35 0167	2101 00000	0 450	44 22		2 61E+00	2 90
2200 000	-0 470	36 6833	2201 00000	0 470	44 20		2 73E+00	3 02
2300 000	-0 480	38 3500	2301 00000	0 480	44 19		2 79E+00	3 08
2400 000	-0 500	40 0167	2401 00000	0 500	44 17		2 90E+00	3 19
2500 000	-0 520	41 6833	2501 00000	0 520	44 15		3 02E+00	3 31
2600 000	-0 530	43 3500	2601 00000	0 530	44 14		3 08E+00	3 37
2700 000	-0 550	45 0167	2701 00000	0 550	44 12		3 19E+00	3 48
2800 000	-0 560	46 6833	2801 00000	0 560	44 11		3 25E+00	3 54
2900 000	-0 590	48 3500	2901 00000	0 590	44 08		3 43E+00	3 72
3000 000	-0 600	50 0167	3001 00000	0 600	44 07		3 48E+00	3 78
3100 000	-0 610	51 6833	3101 00000	0 610	44 06		3 54E+00	3 83
3200 000	-0 630	53 3500	3201 00000	0 630	44 04		3 66E+00	3 95
3300 000	-0 640	55 0167	3301 00000	0 640	44 03		3 72E+00	4 01
3400 000	-0 660	56 6833	3401 00000	0 660	44 01		3 83E+00	4 12
3500 000	-0 670	58 3500	3501 00000	0 670	44 00		3 89E+00	4 18
3600 000	-0 690	60 0167	3601 00000	0 690	43 98		4 01E+00	4 30
3700 000	-0 700	61 6833	3701 00000	0 700	43 97		4 07E+00	4 36
3800 000	-0 720	63 3500	3801 00000	0 720	43 95		4 18E+00	4 47
3900 000	-0 730	65 0167	3901 00000	0 730	43 94		4 24E+00	4 53
4000 000	-0 740	66 6833	4001 00000	0 740	43 93		4 30E+00	4 59
4100 000	-0 760	68 3500	4101 00000	0 760	43 91		4 41E+00	4 70
4200 000	-0 770	70 0167	4201 00000	0 770	43 90		4 47E+00	4 76
4300 000	-0 790	71 6833	4301 00000	0 790	43 88		4 59E+00	4 88
4400 000	-0 800	73 3500	4401 00000	0 800	43 87		4 65E+00	4 94
4500 000	-0 810	75 0167	4501 00000	0 810	43 86		4 70E+00	4 99
4600 000	-0 820	76 6833	4601 00000	0 820	43 85		4 76E+00	5 05
4700 000	-0 840	78 3500	4701 00000	0 840	43 83		4 88E+00	5 17
4800 000	-0 850	80 0167	4801 00000	0 850	43 82		4 94E+00	5 23
4900 000	-0 870	81 6833	4901 00000	0 870	43 80		5 05E+00	5 34
5000 000	-0 880	83 3500	5001 00000	0 880	43 79		5 11E+00	5 40
5100 000	-0 890	85 0167	5101 00000	0 890	43 78		5 17E+00	5 46
5200 000	-0 910	86 6833	5201 00000	0 910	43 76		5 29E+00	5 58
5300 000	-0 920	88 3500	5301 00000	0 920	43 75		5 34E+00	5 63
5400 000	-0 940	90 0167	5401 00000	0 940	43 73		5 46E+00	5 75
5500 000	-0 950	91 6833	5501 00000	0 950	43 72		5 52E+00	5 81
5600 000	-0 960	93 3500	5601 00000	0 960	43 71		5 58E+00	5 87
5700 000	-0 980	95 0167	5701 00000	0 980	43 69		5 69E+00	5 98
5800 000	-0 990	96 6833	5801 00000	0 990	43 68		5 75E+00	6 04
5900 000	-1 000	98 3500	5901 00000	1 000	43 67		5 81E+00	6 10
6000 000	-1 020	100 0167	6001 00000	1 020	43 65		5 92E+00	6 21
6100 000	-1 030	101 6833	6101 00000	1 030	43 64		5 98E+00	6 27
6200 000	-1 040	103 3500	6201 00000	1 040	43 63		6 04E+00	6 33
6300 000	-1 060	105 0167	6301 00000	1 060	43 61		6 16E+00	6 45
6400 000	-1 070	106 6833	6401 00000	1 070	43 60		6 21E+00	6 50

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
6500 000	-1 080	108 3500	6501 00000	1 080	43 59	6 27E+00	6 56	
6600 000	-1 100	110 0167	6601 00000	1 100	43 57	6 39E+00	6 68	
6700 000	-1 110	111 6833	6701 00000	1 110	43 56	6 45E+00	6 74	
6800 000	-1 130	113 3500	6801 00000	1 130	43 54	6 56E+00	6 85	
6900 000	-1 140	115 0167	6901 00000	1 140	43 53	6 62E+00	6 91	
7000 000	-1 150	116 6833	7001 00000	1 150	43 52	6 68E+00	6 97	
7100 000	-1 170	118 3500	7101 00000	1 170	43 50	6 80E+00	7 09	
7200 000	-1 180	120 0167	7201 00000	1 180	43 49	6 85E+00	7 14	
7300 000	-1 200	121 6833	7301 00000	1 200	43 47	6 97E+00	7 26	
7400 000	-1 210	123 3500	7401 00000	1 210	43 46	7 03E+00	7 32	
7500 000	-1 220	125 0167	7501 00000	1 220	43 45	7 09E+00	7 38	
7600 000	-1 240	126 6833	7601 00000	1 240	43 43	7 20E+00	7 49	
7700 000	-1 250	128 3500	7701 00000	1 250	43 42	7 26E+00	7 55	
7800 000	-1 260	130 0167	7801 00000	1 260	43 41	7 32E+00	7 61	
7900 000	-1 280	131 6833	7901 00000	1 280	43 39	7 43E+00	7 72	
8000 000	-1 290	133 3500	8001 00000	1 290	43 38	7 49E+00	7 78	
8100 000	-1 300	135 0167	8101 00000	1 300	43 37	7 55E+00	7 84	
8200 000	-1 320	136 6833	8201 00000	1 320	43 35	7 67E+00	7 96	
8300 000	-1 330	138 3500	8301 00000	1 330	43 34	7 72E+00	8 01	
8400 000	-1 350	140 0167	8401 00000	1 350	43 32	7 84E+00	8 13	
8500 000	-1 360	141 6833	8501 00000	1 360	43 31	7 90E+00	8 19	
8600 000	-1 370	143 3500	8601 00000	1 370	43 30	7 96E+00	8 25	
8700 000	-1 390	145 0167	8701 00000	1 390	43 28	8 07E+00	8 36	

Well No. 05091

Measured recovery after sampling

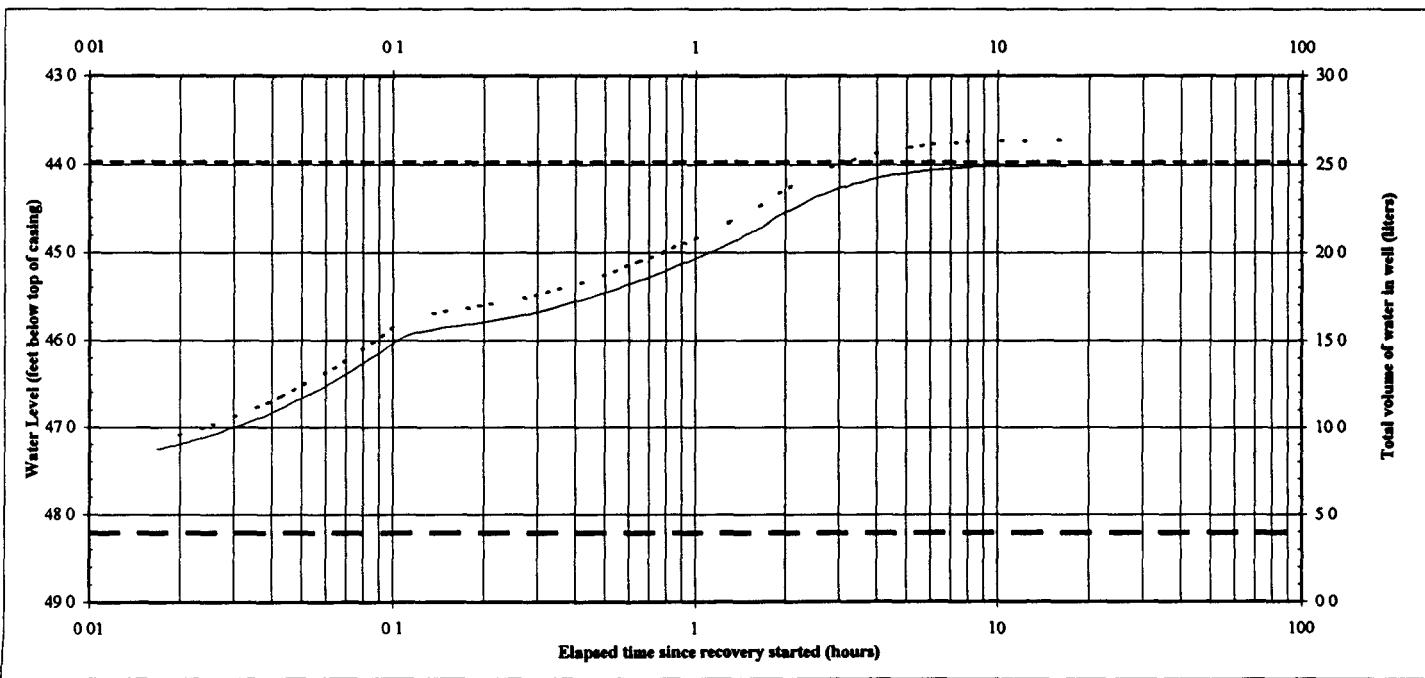
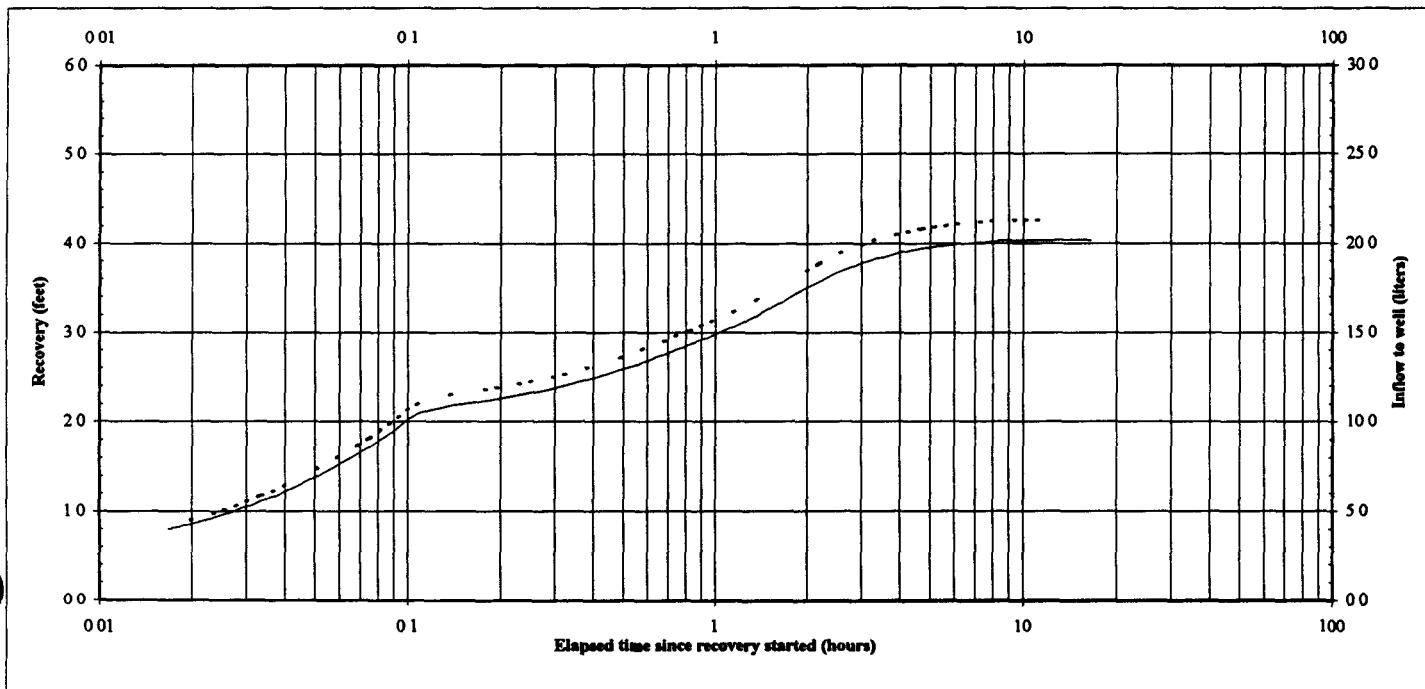
Date: 9-Aug-94

3rd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume



Well No.

05091

Date Sampled

3rd quarter

9-Aug-94

		Delay	1 00	Minutes
Final bail time	14:43			
Set transducer time	14:44			
Static water level (pre-sampling)	-44.0	feet below top of casing		
Final water level (post-recovery)	-44.0	feet below top of casing		
Last recorded water level	-43.9	feet below transducer		
Transducer Reference Depth	48.1	feet below top of casing		
Bottom of well	49.2	feet below top of casing		
First recorded water level	-43.8	feet below transducer		
First recorded water level	47.3	feet below top of casing		
Water column remaining in casing after purging	1.0	feet		
Volume remaining in casing after purging	5.1	liters		
Well diameter	9.5	inches	0.792	feet
Well radius	4.8	inches	0.396	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.9	inches	0.244	feet
Top of sandpack	33.5	feet below top of casing		
			0.62	liters/foot
			5.28	liters/foot

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
0 000	-0.800	0 0167	1 00000	0 800	47.25			
0 003	-0.800	0 0167	1 00330	0 800	47.25		4.22E+00	9.29
0 007	-0.800	0 0168	1 00660	0 800	47.25		4.22E+00	9.29
0 010	-0.800	0 0168	1 00990	0 800	47.25		4.22E+00	9.29
0 013	-0.800	0 0169	1 01330	0 800	47.25		4.22E+00	9.29
0 017	-0.800	0 0169	1 01660	0 800	47.25		4.22E+00	9.29
0 020	-0.800	0 0170	1 02000	0 800	47.25		4.22E+00	9.29
0 023	-0.800	0 0171	1 02330	0 800	47.25		4.22E+00	9.29
0 027	-0.800	0 0171	1 02660	0 800	47.25		4.22E+00	9.29
0 030	-0.800	0 0172	1 03000	0 800	47.25		4.22E+00	9.29
0 033	-0.810	0 0172	1 03330	0 810	47.24		4.28E+00	9.35
0 050	-0.810	0 0175	1 05000	0 810	47.24		4.28E+00	9.35
0 067	-0.820	0 0178	1 06660	0 820	47.23		4.33E+00	9.40
0 083	-0.820	0 0181	1 08330	0 820	47.23		4.33E+00	9.40
0 100	-0.830	0 0183	1 10000	0 830	47.22		4.38E+00	9.45
0 117	-0.840	0 0186	1 11660	0 840	47.21		4.44E+00	9.51
0 133	-0.840	0 0189	1 13330	0 840	47.21		4.44E+00	9.51
0 150	-0.840	0 0192	1 15000	0 840	47.21		4.44E+00	9.51
0 167	-0.850	0 0194	1 16660	0 850	47.20		4.49E+00	9.56
0 183	-0.850	0 0197	1 18330	0 850	47.20		4.49E+00	9.56
0 200	-0.860	0 0200	1 20000	0 860	47.19		4.54E+00	9.61
0 217	-0.860	0 0203	1 21660	0 860	47.19		4.54E+00	9.61
0 233	-0.870	0 0206	1 23330	0 870	47.18		4.59E+00	9.66
0 250	-0.870	0 0208	1 25000	0 870	47.18		4.59E+00	9.66
0 267	-0.880	0 0211	1 26660	0 880	47.17		4.65E+00	9.72
0 283	-0.880	0 0214	1 28330	0 880	47.17		4.65E+00	9.72
0 300	-0.890	0 0217	1 30000	0 890	47.16		4.70E+00	9.77
0 317	-0.900	0 0219	1 31660	0 900	47.15		4.75E+00	9.82
0 333	-0.900	0 0222	1 33330	0 900	47.15		4.75E+00	9.82
0 417	-0.930	0 0236	1 41670	0 930	47.12		4.91E+00	9.98
0 500	-0.960	0 0250	1 50000	0 960	47.09		5.07E+00	10.14
0 583	-0.980	0 0264	1 58330	0 980	47.07		5.18E+00	10.24
0 667	-1.010	0 0278	1 66670	1 010	47.04		5.33E+00	10.40
0 750	-1.040	0 0292	1 75000	1 040	47.01		5.49E+00	10.56
0 833	-1.060	0 0306	1 83330	1 060	46.99		5.60E+00	10.67
0 917	-1.080	0 0319	1 91670	1 080	46.97		5.70E+00	10.77
1 000	-1.110	0 0333	2 00000	1 110	46.94		5.86E+00	10.93
1 083	-1.130	0 0347	2 08330	1 130	46.92		5.97E+00	11.04

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
1 167	-1 160	0 0361	2.16670	1 160	46 89		6 13E+00	11 19
1 250	-1 170	0 0375	2.25000	1 170	46 88		6 18E+00	11 25
1 333	-1 200	0 0389	2.33330	1 200	46 85		6 34E+00	11 41
1 417	-1 230	0 0403	2.41660	1 230	46 82		6 50E+00	11 56
1 500	-1 250	0 0417	2.50000	1 250	46 80		6 60E+00	11 67
1 583	-1 270	0 0431	2.58330	1 270	46 78		6 71E+00	11 78
1 667	-1 290	0 0444	2.66670	1 290	46 76		6 81E+00	11 88
1 750	-1 320	0 0458	2.75000	1 320	46 73		6 97E+00	12 04
1 833	-1 340	0 0472	2.83330	1 340	46 71		7 08E+00	12 15
1 917	-1 360	0 0486	2.91670	1 360	46 69		7 18E+00	12.25
2 000	-1 380	0 0500	3 00000	1 380	46 67		7 29E+00	12.36
2 500	-1 500	0 0583	3 50000	1 500	46 55		7 92E+00	12 99
3 000	-1 610	0 0667	4 00000	1 610	46 44		8 50E+00	13 57
3 500	-1 720	0 0750	4 50000	1 720	46 33		9 08E+00	14 15
4 000	-1 830	0 0833	5 00000	1 830	46 22		9 66E+00	14 73
4 500	-1 920	0 0917	5 50000	1 920	46 13		1 01E+01	15 21
5 000	-2.020	0 1000	6 00000	2 020	46 03		1 07E+01	15 74
5 500	-2.090	0 1083	6.50000	2.090	45 96		1 10E+01	16 11
6 000	-2.130	0 1167	7 00000	2.130	45 92		1 12E+01	16 32
6 500	-2.150	0 1250	7 50000	2.150	45 90		1 14E+01	16 42
7 000	-2.170	0 1333	8 00000	2.170	45 88		1 15E+01	16 53
7 500	-2.190	0 1417	8 50000	2.190	45 86		1 16E+01	16 63
8 000	-2.200	0 1500	9 00000	2.200	45 85		1 16E+01	16 69
8 500	-2.210	0 1583	9 50000	2.210	45 84		1 17E+01	16 74
9 000	-2.220	0 1667	10 00000	2.220	45 83		1 17E+01	16 79
9 500	-2.230	0 1750	10 50000	2.230	45 82		1 18E+01	16 85
10 000	-2.240	0 1833	11 00000	2.240	45 81		1 18E+01	16 90
12 000	-2.280	0 2167	13 00000	2.280	45 77		1 20E+01	17 11
14 000	-2.320	0 2500	15 00000	2.320	45 73		1 23E+01	17 32
16 000	-2.350	0 2833	17 00000	2.350	45 70		1 24E+01	17 48
18 000	-2.390	0 3167	19 00000	2.390	45 66		1 26E+01	17 69
20 000	-2.430	0 3500	21 00000	2.430	45 62		1 28E+01	17 90
22 000	-2.470	0 3833	23 00000	2.470	45 58		1 30E+01	18 11
24 000	-2.500	0 4167	25 00000	2.500	45 55		1 32E+01	18 27
26 000	-2.540	0 4500	27 00000	2.540	45 51		1 34E+01	18 48
28 000	-2.570	0 4833	29 00000	2.570	45 48		1 36E+01	18 64
30 000	-2.600	0 5167	31 00000	2.600	45 45		1 37E+01	18 80
32 000	-2.630	0 5500	33 00000	2.630	45 42		1 39E+01	18 96
34 000	-2.670	0 5833	35 00000	2.670	45 38		1 41E+01	19 17
36 000	-2.700	0 6167	37 00000	2.700	45 35		1 43E+01	19 33
38 000	-2.730	0 6500	39 00000	2.730	45 32		1 44E+01	19 49
40 000	-2.750	0 6833	41 00000	2.750	45 30		1 45E+01	19 59
42 000	-2.780	0 7167	43 00000	2.780	45 27		1 47E+01	19 75
44 000	-2.810	0 7500	45 00000	2.810	45 24		1 48E+01	19 91
46 000	-2.830	0 7833	47 00000	2.830	45 22		1 49E+01	20 01
48 000	-2.860	0 8167	49 00000	2.860	45 19		1 51E+01	20 17
50 000	-2.880	0 8500	51 00000	2.880	45 17		1 52E+01	20 28
52 000	-2.910	0 8833	53 00000	2.910	45 14		1 54E+01	20 44
54 000	-2.930	0 9167	55 00000	2.930	45 12		1 55E+01	20 54
56 000	-2.940	0 9500	57 00000	2.940	45 11		1 55E+01	20 59
58 000	-2.970	0 9833	59 00000	2.970	45 08		1 57E+01	20 75
60 000	-2.990	1 0167	61 00000	2.990	45 06		1 58E+01	20 86
62 000	-3 010	1 0500	63 00000	3 010	45 04		1 59E+01	20 96
64 000	-3 030	1 0833	65 00000	3 030	45 02		1 60E+01	21 07
66 000	-3 050	1 1167	67 00000	3 050	45 00		1 61E+01	21 18
68 000	-3 060	1 1500	69 00000	3 060	44 99		1 62E+01	21 23
70 000	-3 080	1 1833	71 00000	3 080	44 97		1 63E+01	21 33
72 000	-3 100	1 2167	73 00000	3 100	44 95		1 64E+01	21 44
74 000	-3 120	1 2500	75 00000	3 120	44 93		1 65E+01	21 55
76 000	-3 140	1 2833	77 00000	3 140	44 91		1 66E+01	21 65
78 000	-3 160	1 3167	79 00000	3 160	44 89		1 67E+01	21 76
80 000	-3 180	1 3500	81 00000	3 180	44 87		1 68E+01	21 86
82 000	-3 190	1 3833	83 00000	3 190	44 86		1 68E+01	21 91
84 000	-3 220	1 4167	85 00000	3 220	44 83		1 70E+01	22 07
86 000	-3 240	1 4500	87 00000	3 240	44 81		1 71E+01	22 18
88 000	-3 260	1 4833	89 00000	3 260	44 79		1 72E+01	22 28
90 000	-3 270	1 5167	91 00000	3 270	44 78		1 73E+01	22 34
92 000	-3 290	1 5500	93 00000	3 290	44 76		1 74E+01	22 44
94 000	-3 300	1 5833	95 00000	3 300	44 75		1 74E+01	22 50
96 000	-3 320	1 6167	97 00000	3 320	44 73		1 75E+01	22 60
98 000	-3 330	1 6500	99 00000	3 330	44 72		1 76E+01	22 65
100 000	-3 350	1 6833	101 00000	3 350	44 70		1 77E+01	22 76

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)		final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
110 000	-3 440	1 8500		111 00000	3 440	44 61	1 82E+01	23 23
120 000	-3 510	2.0167		121 00000	3 510	44 54	1 85E+01	23 60
130 000	-3 570	2.1833		131 00000	3 570	44 48	1 89E+01	23 92
140 000	-3 630	2.3500		141 00000	3 630	44 42	1 92E+01	24 24
150 000	-3 680	2.5167		151 00000	3 680	44 37	1 94E+01	24 50
160 000	-3 710	2.6833		161 00000	3 710	44 34	1 96E+01	24 66
170 000	-3 750	2.8500		171 00000	3 750	44 30	1 98E+01	24 87
180 000	-3 780	3.0167		181 00000	3 780	44 27	2 00E+01	25 03
190 000	-3 800	3 1833		191 00000	3 800	44 25	2 01E+01	25 14
200 000	-3 830	3 3500		201 00000	3 830	44 22	2 02E+01	25 29
210 000	-3 840	3 5167		211 00000	3 840	44 21	2 03E+01	25 35
220 000	-3 860	3 6833		221 00000	3 860	44 19	2 04E+01	25 45
230 000	-3 880	3 8500		231 00000	3 880	44 17	2 05E+01	25 56
240 000	-3 900	4 0167		241 00000	3 900	44 15	2 06E+01	25 66
250 000	-3 910	4 1833		251 00000	3 910	44 14	2 06E+01	25 72
260 000	-3 920	4 3500		261 00000	3 920	44 13	2 07E+01	25 77
270 000	-3 930	4 5167		271 00000	3 930	44 12	2 08E+01	25 82
280 000	-3 940	4 6833		281 00000	3 940	44 11	2 08E+01	25 88
290 000	-3 950	4 8500		291 00000	3 950	44 10	2 09E+01	25 93
300 000	-3 950	5 0167		301 00000	3 950	44 10	2 09E+01	25 93
310 000	-3 960	5 1833		311 00000	3 960	44 09	2 09E+01	25 98
320 000	-3 970	5 3500		321 00000	3 970	44 08	2 10E+01	26 03
330 000	-3 970	5 5167		331 00000	3 970	44 08	2 10E+01	26 03
340 000	-3 980	5 6833		341 00000	3 980	44 07	2 10E+01	26 09
350 000	-3 980	5 8500		351 00000	3 980	44 07	2 10E+01	26 09
360 000	-3 990	6 0167		361 00000	3 990	44 06	2 11E+01	26 14
370 000	-3 990	6 1833		371 00000	3 990	44 06	2 11E+01	26 14
380 000	-3 990	6 3500		381 00000	3 990	44 06	2 11E+01	26 14
390 000	-4 000	6 5167		391 00000	4 000	44 05	2 11E+01	26 19
400 000	-4 000	6 6833		401 00000	4 000	44 05	2 11E+01	26 19
410 000	-4 000	6 8500		411 00000	4 000	44 05	2 11E+01	26 19
420 000	-4 000	7 0167		421 00000	4 000	44 05	2 11E+01	26 19
430 000	-4 010	7 1833		431 00000	4 010	44 04	2 12E+01	26 24
440 000	-4 010	7 3500		441 00000	4 010	44 04	2 12E+01	26 24
450 000	-4 010	7 5167		451 00000	4 010	44 04	2 12E+01	26 24
460 000	-4 020	7 6833		461 00000	4 020	44 03	2 12E+01	26 30
470 000	-4 020	7 8500		471 00000	4 020	44 03	2 12E+01	26 30
480 000	-4 020	8 0167		481 00000	4 020	44 03	2 12E+01	26 30
490 000	-4 020	8 1833		491 00000	4 020	44 03	2 12E+01	26 30
500 000	-4 030	8 3500		501 00000	4 030	44 02	2 13E+01	26 35
510 000	-4 030	8 5167		511 00000	4 030	44 02	2 13E+01	26 35
520 000	-4 030	8 6833		521 00000	4 030	44 02	2 13E+01	26 35
530 000	-4 030	8 8500		531 00000	4 030	44 02	2 13E+01	26 35
540 000	-4 030	9 0167		541 00000	4 030	44 02	2 13E+01	26.35
550 000	-4 030	9 1833		551 00000	4 030	44 02	2 13E+01	26 35
560 000	-4 030	9 3500		561 00000	4 030	44 02	2 13E+01	26 35
570 000	-4 030	9 5167		571 00000	4 030	44 02	2 13E+01	26 35
580 000	-4 030	9 6833		581 00000	4 030	44 02	2 13E+01	26 35
590 000	-4 030	9 8500		591 00000	4 030	44 02	2 13E+01	26 35
600 000	-4 030	10 0167		601 00000	4 030	44 02	2 13E+01	26 35
610 000	-4 030	10 1833		611 00000	4 030	44 02	2 13E+01	26 35
620 000	-4 030	10 3500		621 00000	4 030	44 02	2 13E+01	26 35
630 000	-4 030	10 5167		631 00000	4 030	44 02	2 13E+01	26 35
640 000	-4 030	10 6833		641 00000	4 030	44 02	2 13E+01	26 35
650 000	-4 030	10 8500		651 00000	4 030	44 02	2 13E+01	26 35
660 000	-4 030	11 0167		661 00000	4 030	44 02	2 13E+01	26 35
670 000	-4 030	11 1833		671 00000	4 030	44 02	2 13E+01	26 35
680 000	-4 030	11 3500		681 00000	4 030	44 02	2 13E+01	26 35
690 000	-4 030	11 5167		691 00000	4 030	44 02	2 13E+01	26 35
700 000	-4 030	11 6833		701 00000	4 030	44 02	2.13E+01	26 35
710 000	-4 030	11 8500		711 00000	4 030	44 02	2 13E+01	26 35
720 000	-4 030	12 0167		721 00000	4 030	44 02	2 13E+01	26 35
730 000	-4 030	12 1833		731 00000	4 030	44 02	2 13E+01	26 35
740 000	-4 030	12.3500		741 00000	4 030	44 02	2 13E+01	26 35
750 000	-4 030	12 5167		751 00000	4 030	44 02	2 13E+01	26 35
760 000	-4 040	12.6833		761 00000	4 040	44 01	2 13E+01	26 40
770 000	-4 040	12.8500		771 00000	4 040	44 01	2 13E+01	26 40
780 000	-4 040	13 0167		781 00000	4 040	44 01	2 13E+01	26 40
790 000	-4 040	13 1833		791 00000	4 040	44 01	2 13E+01	26 40
800 000	-4 040	13 3500		801 00000	4 040	44 01	2 13E+01	26 40
810 000	-4 040	13 5167		811 00000	4 040	44 01	2 13E+01	26 40
820 000	-4 040	13 6833		821 00000	4 040	44 01	2.13E+01	26 40

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
830 000	-4 040	13 8500	831 00000	4 040	44 01		2 13E+01	26 40
840 000	-4 040	14 0167	841 00000	4 040	44 01		2.13E+01	26 40
850 000	-4 040	14 1833	851 00000	4 040	44 01		2.13E+01	26 40
860 000	-4 040	14 3500	861 00000	4 040	44 01		2.13E+01	26 40
870 000	-4 040	14 5167	871 00000	4 040	44 01		2.13E+01	26 40
880 000	-4 040	14 6833	881 00000	4 040	44 01		2.13E+01	26 40
890 000	-4 040	14 8500	891 00000	4 040	44 01		2.13E+01	26 40
900 000	-4 040	15 0167	901 00000	4 040	44 01		2.13E+01	26 40
910 000	-4 040	15 1833	911 00000	4 040	44 01		2.13E+01	26 40
920 000	-4 040	15 3500	921 00000	4 040	44 01		2.13E+01	26 40
930 000	-4 040	15 5167	931 00000	4 040	44 01		2.13E+01	26 40
940 000	-4 040	15 6833	941 00000	4 040	44 01		2.13E+01	26 40
950 000	-4 040	15 8500	951 00000	4 040	44 01		2.13E+01	26 40
960 000	-4 040	16 0167	961 00000	4 040	44 01		2 13E+01	26 40
970 000	-4 030	16 1833	971 00000	4 030	44 02		2.13E+01	26 35
980 000	-4 030	16 3500	981 00000	4 030	44 02		2.13E+01	26 35
990 000	-4 030	16 5167	991 00000	4 030	44 02		2 13E+01	26 35
1000 000	-4 030	16 6833	1001 00000	4 030	44 02		2 13E+01	26 35

Well No. 05391

Measured recovery after sampling

Date: 2-Jun-94

2nd quarter

1994

Pre-sampling

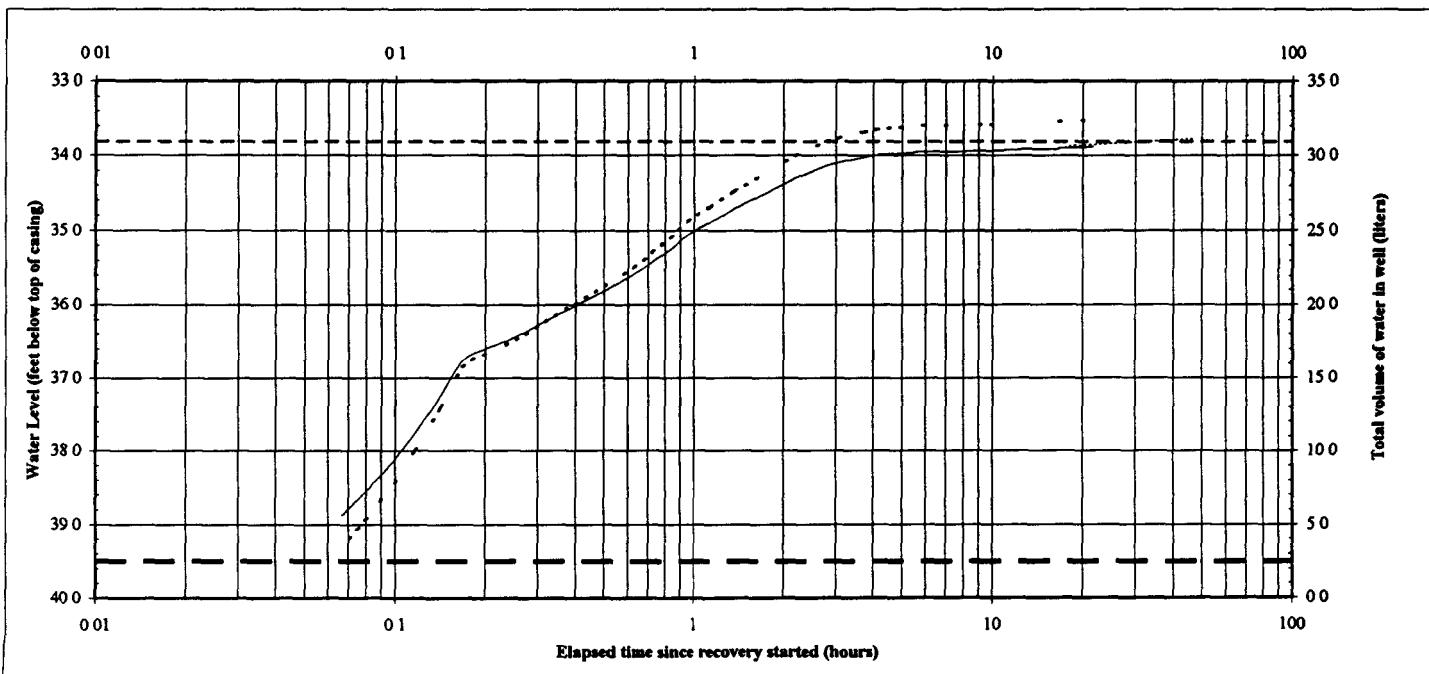
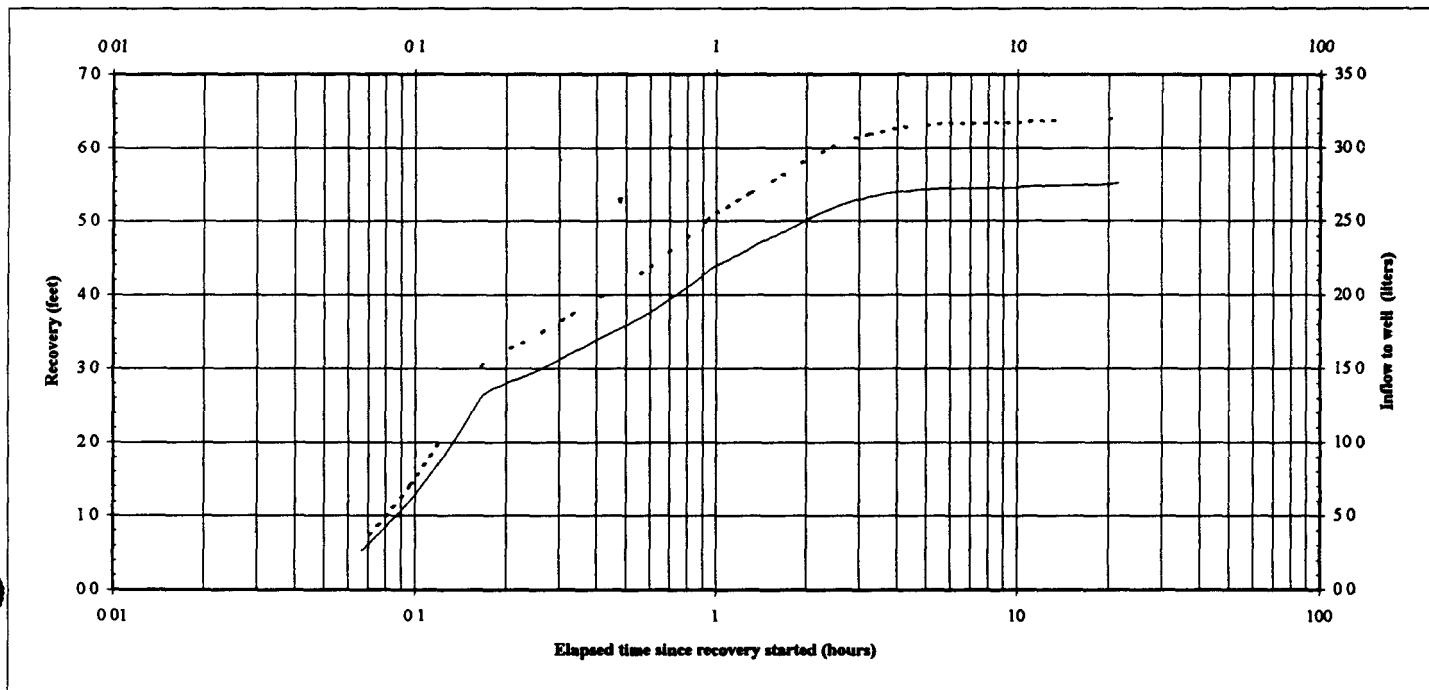
Static Water Level

Bottom of well

Water Level

Volume

Extrapolation to 100% recovery



F 0577

Well No.

05391

Date Sampled

2nd quarter

2-Jan-94

Final bail time	15:09			
Set transducer time	15:13			
Static Water Level (pre-sampling)	33.8			
Final water level (post-sampling)	33.9	feet below top of casing		
Last recorded water level	-5.5	feet below top of casing		
Transducer Reference Depth	39.4	feet below transducer		
Bottom of well	39.5	feet below top of casing		
First recorded water level	-4.5	feet below top of casing		
First recorded water level	38.9	feet below transducer		
Water column remaining in casing after purging	0.6	feet below top of casing		
Volume remaining in casing after purging	0.4	feet		
Well Diameter	10.0	liters	0.833	feet
Well Radius	5.0	inches	0.417	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	22.0	feet below top of casing		

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0 530	0 0667	4 00000	0 530	38 87		
0 003	-0 530	0 0667	4 00330	0 530	38 87	3 08E+00	3 47
0 007	-0 530	0 0668	4 00660	0 530	38 87	3 08E+00	3 47
0 010	-0 530	0 0668	4 00990	0 530	38 87	3 08E+00	3 47
0 013	-0 530	0 0669	4 01330	0 530	38 87	3 08E+00	3 47
0 017	-0 540	0 0669	4 01660	0 540	38 86	3 14E+00	3 53
0 020	-0 540	0 0670	4 02000	0 540	38 86	3 14E+00	3 53
0 023	-0 540	0 0671	4 02330	0 540	38 86	3 14E+00	3 53
0 027	-0 540	0 0671	4 02660	0 540	38 86	3 14E+00	3 53
0 030	-0 540	0 0672	4 03000	0 540	38 86	3 14E+00	3 53
0 033	-0 540	0 0672	4 03330	0 540	38 86	3 14E+00	3 53
0 050	-0 550	0 0675	4 05000	0 550	38 85	3 19E+00	3 58
0 067	-0 550	0 0678	4 06660	0 550	38 85	3 19E+00	3 58
0 083	-0 560	0 0681	4 08330	0 560	38 84	3 25E+00	3 64
0 100	-0 570	0 0683	4 10000	0 570	38 83	3 31E+00	3 70
0 117	-0 580	0 0686	4 11660	0 580	38 82	3 37E+00	3 76
0 133	-0 590	0 0689	4 13330	0 590	38 81	3 43E+00	3 82
0 150	-0 590	0 0692	4 15000	0 590	38 81	3 43E+00	3 82
0 167	-0 600	0 0694	4 16660	0 600	38 80	3 48E+00	3 87
0 183	-0 610	0 0697	4 18330	0 610	38 79	3 54E+00	3 93
0 200	-0 610	0 0700	4 20000	0 610	38 79	3 54E+00	3 93
0 217	-0 620	0 0703	4 21660	0 620	38 78	3 60E+00	3 99
0 233	-0 630	0 0706	4 23330	0 630	38 77	3 66E+00	4 05
0 250	-0 630	0 0708	4 25000	0 630	38 77	3 66E+00	4 05
0 267	-0 640	0 0711	4 26660	0 640	38 76	3 72E+00	4 11
0 283	-0 650	0 0714	4 28330	0 650	38 75	3 78E+00	4 16
0 300	-0 650	0 0717	4 30000	0 650	38 75	3 78E+00	4 16
0 317	-0 660	0 0719	4 31660	0 660	38 74	3 83E+00	4 22
0 333	-0 670	0 0722	4 33330	0 670	38 73	3 89E+00	4 28
0 417	-0 700	0 0736	4 41670	0 700	38 70	4 07E+00	4 45
0 500	-0 730	0 0750	4 50000	0 730	38 67	4 24E+00	4 63
0 583	-0 760	0 0764	4 58330	0 760	38 64	4 41E+00	4 80
0 667	-0 800	0 0778	4 66670	0 800	38 60	4 65E+00	5 04
0 750	-0 830	0 0792	4 75000	0 830	38 57	4 82E+00	5 21
0 833	-0 860	0 0806	4 83330	0 860	38 54	4 99E+00	5 38
0 917	-0 890	0 0819	4 91670	0 890	38 51	5 17E+00	5 56
1 000	-0 930	0 0833	5 00000	0 930	38 47	5 40E+00	5 79
1 083	-0 960	0 0847	5 08330	0 960	38 44	5 58E+00	5 96
1 167	-0 990	0 0861	5 16670	0 990	38 41	5 75E+00	6 14

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 250	-1 020	0 0875	5 25000	1 020	38 38	5 92E+00	6.31
1 333	-1 050	0 0889	5 33330	1 050	38 35	6 10E+00	6.49
1 417	-1 080	0 0903	5 41660	1 080	38 32	6 27E+00	6.66
1 500	-1 110	0 0917	5 50000	1 110	38 29	6 45E+00	6.84
1 583	-1 140	0 0931	5 58330	1 140	38 26	6 62E+00	7.01
1 667	-1 170	0 0944	5 66670	1 170	38 23	6 80E+00	7.18
1 750	-1 210	0 0958	5 75000	1 210	38 19	7 03E+00	7.42
1 833	-1 230	0 0972	5 83330	1 230	38 17	7 14E+00	7.53
1 917	-1 260	0 0986	5 91670	1 260	38 14	7 32E+00	7.71
2 000	-1 290	0 1000	6 00000	1 290	38 11	7 49E+00	7.88
2 500	-1 470	0 1083	6 50000	1 470	37 93	8 54E+00	8.93
3 000	-1 650	0 1167	7 00000	1 650	37 75	9 58E+00	9.97
3 500	-1 820	0 1250	7 50000	1 820	37 58	1 06E+01	10.96
4 000	-1 990	0 1333	8 00000	1 990	37 41	1 16E+01	11.95
4 500	-2 160	0 1417	8 50000	2 160	37 24	1 25E+01	12.93
5 000	-2.330	0 1500	9 00000	2 330	37 07	1 35E+01	13.92
5 500	-2 490	0 1583	9 50000	2 490	36 91	1 45E+01	14.85
6 000	-2 630	0 1667	10 00000	2 630	36 77	1 53E+01	15.66
6 500	-2 700	0 1750	10 50000	2 700	36 70	1 57E+01	16.07
7 000	-2 740	0 1833	11 00000	2 740	36 66	1 59E+01	16.30
7 500	-2 770	0 1917	11 50000	2 770	36 63	1 61E+01	16.48
8 000	-2 800	0 2000	12 00000	2 800	36 60	1 63E+01	16.65
8 500	-2 830	0 2083	12 50000	2 830	36 57	1 64E+01	16.83
9 000	-2 850	0 2167	13 00000	2 850	36 55	1 66E+01	16.94
9 500	-2 880	0 2250	13 50000	2 880	36 52	1 67E+01	17.12
10 000	-2 900	0 2333	14 00000	2 900	36 50	1 68E+01	17.23
12 000	-3 010	0 2667	16 00000	3 010	36 39	1 75E+01	17.87
14 000	-3 120	0 3000	18 00000	3 120	36 28	1 81E+01	18.51
16 000	-3 220	0 3333	20 00000	3 220	36 18	1 87E+01	19.09
18 000	-3 310	0 3667	22 00000	3 310	36 09	1 92E+01	19.61
20 000	-3 390	0 4000	24 00000	3 390	36.01	1 97E+01	20.08
22 000	-3 460	0 4333	26 00000	3 460	35 94	2 01E+01	20.48
24 000	-3 520	0 4667	28 00000	3 520	35 88	2 04E+01	20.83
26 000	-3 580	0 5000	30 00000	3 580	35 82	2 08E+01	21.18
28 000	-3 640	0 5333	32 00000	3 640	35 76	2 11E+01	21.53
30 000	-3 700	0 5667	34 00000	3 700	35 70	2 15E+01	21.88
32 000	-3 760	0 6000	36 00000	3 760	35 64	2 18E+01	22.23
34 000	-3 820	0 6333	38 00000	3 820	35 58	2 22E+01	22.57
36 000	-3 880	0 6667	40 00000	3 880	35 52	2 25E+01	22.92
38 000	-3 940	0 7000	42 00000	3 940	35 46	2 29E+01	23.27
40 000	-4 000	0 7333	44 00000	4 000	35 40	2 32E+01	23.62
42 000	-4 050	0 7667	46 00000	4 050	35 35	2 35E+01	23.91
44 000	-4 100	0 8000	48 00000	4 100	35 30	2 38E+01	24.20
46 000	-4 150	0 8333	50 00000	4 150	35 25	2 41E+01	24.49
48 000	-4 200	0 8667	52 00000	4 200	35 20	2 44E+01	24.78
50 000	-4 260	0 9000	54 00000	4 260	35 14	2 47E+01	25.13
52 000	-4 310	0 9333	56 00000	4 310	35 09	2 50E+01	25.42
54 000	-4 350	0 9667	58 00000	4 350	35 05	2 53E+01	25.65
56 000	-4 390	1 0000	60 00000	4 390	35 01	2 55E+01	25.89
58 000	-4 420	1 0333	62 00000	4 420	34 98	2 57E+01	26.06
60 000	-4 450	1 0667	64 00000	4 450	34 95	2 58E+01	26.23
62 000	-4 470	1 1000	66 00000	4 470	34 93	2 60E+01	26.35
64 000	-4 500	1 1333	68 00000	4 500	34 90	2 61E+01	26.52
66 000	-4 530	1 1667	70 00000	4 530	34 87	2 63E+01	26.70
68 000	-4 550	1 2000	72 00000	4 550	34 85	2 64E+01	26.81
70 000	-4 580	1 2333	74 00000	4 580	34 82	2 66E+01	26.99
72 000	-4 600	1 2667	76 00000	4 600	34 80	2 67E+01	27.10
74 000	-4 630	1 3000	78 00000	4 630	34 77	2 69E+01	27.28
76 000	-4 650	1 3333	80 00000	4 650	34 75	2 70E+01	27.40
78 000	-4 680	1 3667	82 00000	4 680	34 72	2 72E+01	27.57
80 000	-4 700	1 4000	84 00000	4 700	34 70	2 73E+01	27.69
82 000	-4 720	1 4333	86 00000	4 720	34 68	2 74E+01	27.80
84 000	-4 740	1 4667	88 00000	4 740	34 66	2 75E+01	27.92
86 000	-4 760	1 5000	90 00000	4 760	34 64	2 76E+01	28.03
88 000	-4 780	1 5333	92 00000	4 780	34 62	2 78E+01	28.15
90 000	-4 790	1 5667	94 00000	4 790	34 61	2 78E+01	28.21
92 000	-4 810	1 6000	96 00000	4 810	34 59	2 79E+01	28.32
94 000	-4 830	1 6333	98 00000	4 830	34 57	2 81E+01	28.44
96 000	-4 850	1 6667	100 00000	4 850	34 55	2 82E+01	28.56
98 000	-4 860	1 7000	102 00000	4 860	34 54	2 82E+01	28.61
100 000	-4 880	1 7333	104 00000	4 880	34 52	2 83E+01	28.73
110 000	-4 970	1 9000	114 00000	4 970	34 43	2 89E+01	29.25
120 000	-5 040	2.0667	124 00000	5 040	34 36	2.93E+01	29.66

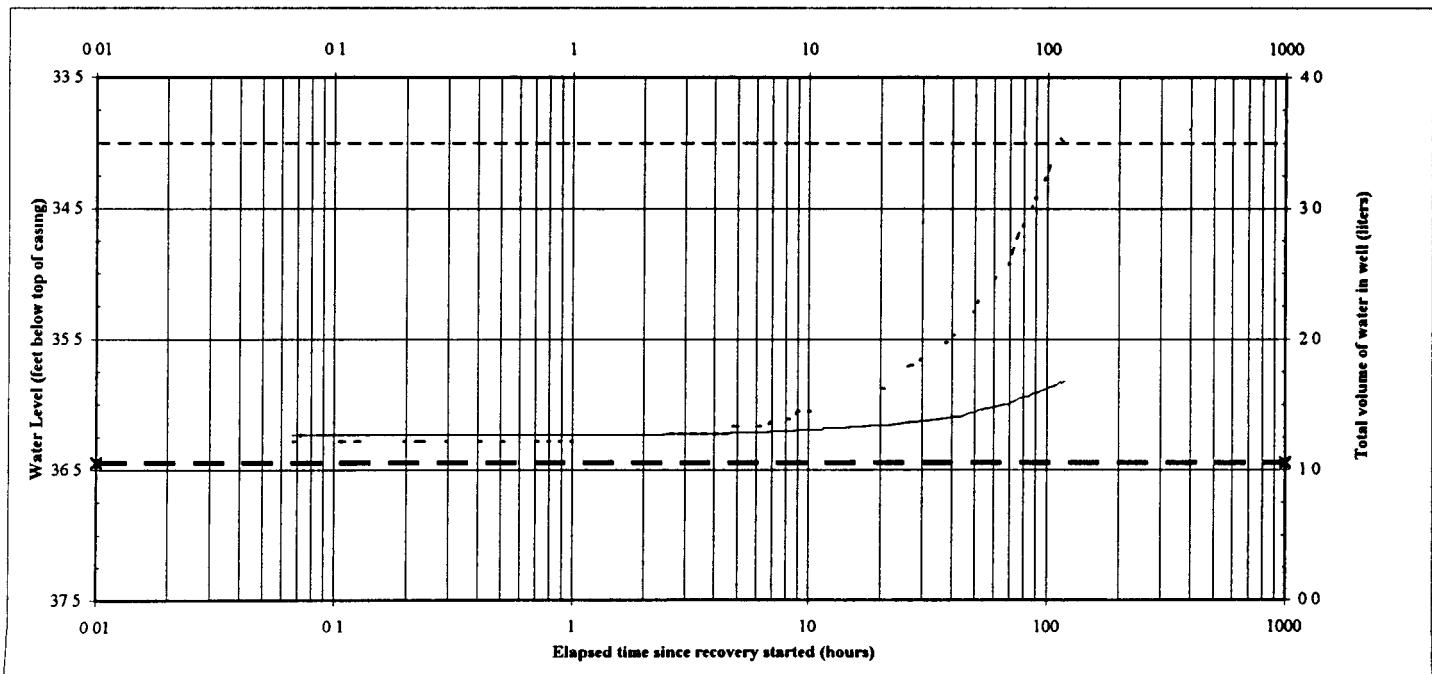
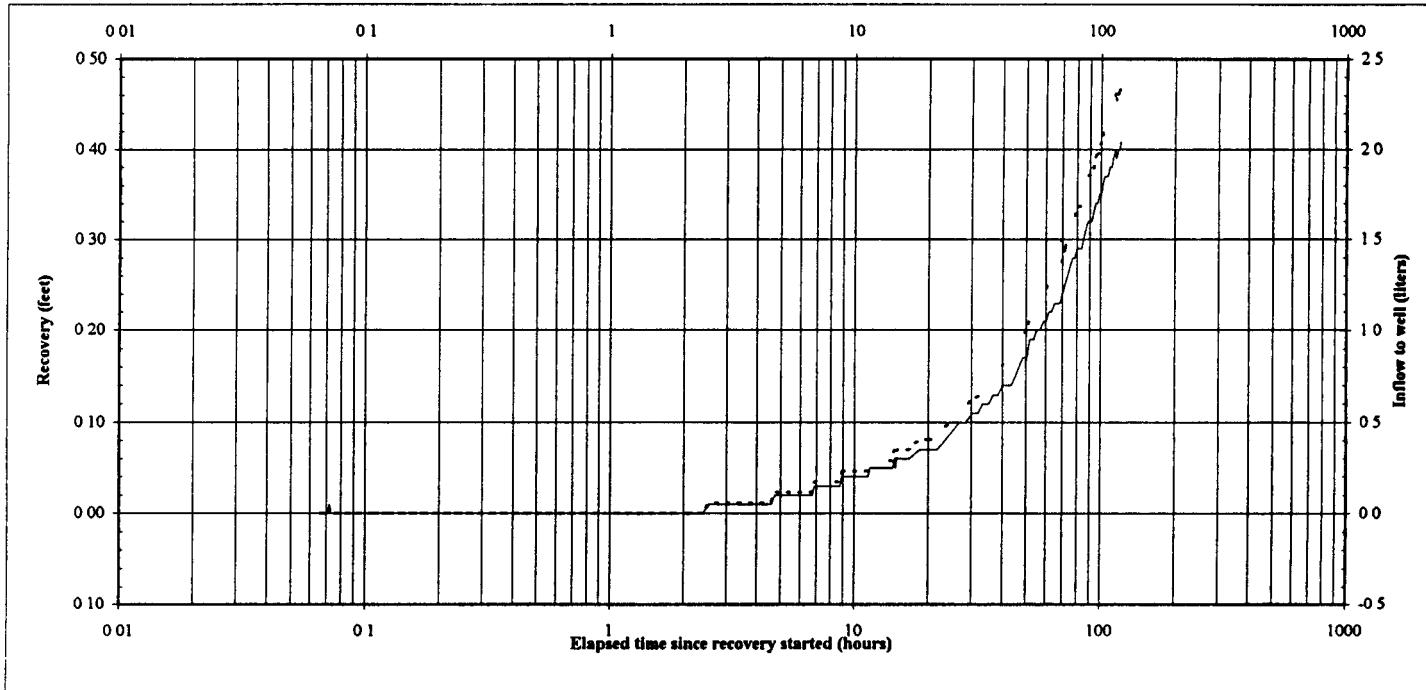
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
130 000	-5 110	2.2333	134 00000	5 110	34 29	2.97E+01	30 07
140 000	-5 160	2.4000	144 00000	5 160	34 24	3 00E+01	30 36
150 000	-5 210	2.5667	154 00000	5 210	34 19	3 03E+01	30 65
160 000	-5 250	2.7333	164 00000	5 250	34 15	3 05E+01	30 88
170 000	-5 280	2.9000	174 00000	5 280	34 12	3 07E+01	31 05
180 000	-5 300	3.0667	184 00000	5 300	34 10	3 08E+01	31 17
190 000	-5 330	3.2333	194 00000	5 330	34 07	3 10E+01	31 34
200 000	-5 340	3.4000	204 00000	5 340	34 06	3 10E+01	31 40
210 000	-5 360	3.5667	214 00000	5 360	34 04	3 11E+01	31 52
220 000	-5 380	3.7333	224 00000	5 380	34 02	3 12E+01	31 63
230 000	-5 390	3.9000	234 00000	5 390	34 01	3 13E+01	31 69
240 000	-5 400	4.0667	244 00000	5 400	34 00	3 14E+01	31 75
250 000	-5 410	4.2333	254 00000	5 410	33 99	3 14E+01	31 81
260 000	-5 410	4.4000	264 00000	5 410	33 99	3 14E+01	31 81
270 000	-5 420	4.5667	274 00000	5 420	33 98	3 15E+01	31 87
280 000	-5 430	4.7333	284 00000	5 430	33 97	3 15E+01	31 93
290 000	-5 430	4.9000	294 00000	5 430	33 97	3 15E+01	31 93
300 000	-5 430	5.0667	304 00000	5 430	33 97	3 15E+01	31 93
310 000	-5 440	5.2333	314 00000	5 440	33 96	3 16E+01	31 98
320 000	-5 440	5.4000	324 00000	5 440	33 96	3 16E+01	31 98
330 000	-5 450	5.5667	334 00000	5 450	33 95	3 17E+01	32 04
340 000	-5 450	5.7333	344 00000	5 450	33 95	3 17E+01	32 04
350 000	-5 450	5.9000	354 00000	5 450	33 95	3 17E+01	32 04
360 000	-5 450	6.0667	364 00000	5 450	33 95	3 17E+01	32 04
370 000	-5 450	6.2333	374 00000	5 450	33 95	3 17E+01	32 04
380 000	-5 450	6.4000	384 00000	5 450	33 95	3 17E+01	32 04
390 000	-5 450	6.5667	394 00000	5 450	33 95	3 17E+01	32 04
400 000	-5 450	6.7333	404 00000	5 450	33 95	3 17E+01	32 04
410 000	-5 450	6.9000	414 00000	5 450	33 95	3 17E+01	32 04
420 000	-5 450	7.0667	424 00000	5 450	33 95	3 17E+01	32 04
430 000	-5 450	7.2333	434 00000	5 450	33 95	3 17E+01	32 04
440 000	-5 450	7.4000	444 00000	5 450	33 95	3 17E+01	32 04
450 000	-5 450	7.5667	454 00000	5 450	33 95	3 17E+01	32 04
460 000	-5 450	7.7333	464 00000	5 450	33 95	3 17E+01	32 04
470 000	-5 450	7.9000	474 00000	5 450	33 95	3 17E+01	32 04
480 000	-5 450	8.0667	484 00000	5 450	33 95	3 17E+01	32 04
490 000	-5 460	8.2333	494 00000	5 460	33 94	3 17E+01	32 10
500 000	-5 460	8.4000	504 00000	5 460	33 94	3 17E+01	32 10
510 000	-5 460	8.5667	514 00000	5 460	33 94	3 17E+01	32 10
520 000	-5 460	8.7333	524 00000	5 460	33 94	3 17E+01	32 10
530 000	-5 460	8.9000	534 00000	5 460	33 94	3 17E+01	32 10
540 000	-5 460	9.0667	544 00000	5 460	33 94	3 17E+01	32 10
550 000	-5 460	9.2333	554 00000	5 460	33 94	3 17E+01	32 10
560 000	-5 460	9.4000	564 00000	5 460	33 94	3 17E+01	32 10
570 000	-5 460	9.5667	574 00000	5 460	33 94	3 17E+01	32 10
580 000	-5 460	9.7333	584 00000	5 460	33 94	3 17E+01	32 10
590 000	-5 460	9.9000	594 00000	5 460	33 94	3 17E+01	32 10
600 000	-5 460	10.0667	604 00000	5 460	33 94	3 17E+01	32 10
610 000	-5 470	10.2333	614 00000	5 470	33 93	3 18E+01	32 16
620 000	-5 470	10.4000	624 00000	5 470	33 93	3 18E+01	32 16
630 000	-5 470	10.5667	634 00000	5 470	33 93	3 18E+01	32 16
640 000	-5 470	10.7333	644 00000	5 470	33 93	3 18E+01	32 16
650 000	-5 470	10.9000	654 00000	5 470	33 93	3 18E+01	32 16
660 000	-5 480	11.0667	664 00000	5 480	33 92	3 18E+01	32 22
670 000	-5 480	11.2333	674 00000	5 480	33 92	3 18E+01	32 22
680 000	-5 480	11.4000	684 00000	5 480	33 92	3 18E+01	32 22
690 000	-5 480	11.5667	694 00000	5 480	33 92	3 18E+01	32 22
700 000	-5 480	11.7333	704 00000	5 480	33 92	3 18E+01	32 22
710 000	-5 480	11.9000	714 00000	5 480	33 92	3 18E+01	32 22
720 000	-5 480	12.0667	724 00000	5 480	33 92	3 18E+01	32 22
730 000	-5 480	12.2333	734 00000	5 480	33 92	3 18E+01	32 22
740 000	-5 490	12.4000	744 00000	5 490	33 91	3 19E+01	32.27
750 000	-5 490	12.5667	754 00000	5 490	33 91	3 19E+01	32.27
760 000	-5 490	12.7333	764 00000	5 490	33 91	3 19E+01	32.27
770 000	-5 490	12.9000	774 00000	5 490	33 91	3 19E+01	32.27
780 000	-5 490	13.0667	784 00000	5 490	33 91	3 19E+01	32.27
790 000	-5 490	13.2333	794 00000	5 490	33 91	3 19E+01	32.27
800 000	-5 490	13.4000	804 00000	5 490	33 91	3 19E+01	32.27
810 000	-5 490	13.5667	814 00000	5 490	33 91	3 19E+01	32.27
820 000	-5 490	13.7333	824 00000	5 490	33 91	3 19E+01	32.27
830 000	-5 490	13.9000	834 00000	5 490	33 91	3 19E+01	32.27
840 000	-5 490	14.0667	844 00000	5 490	33 91	3 19E+01	32.27
850 000	-5 490	14.2333	854 00000	5 490	33 91	3 19E+01	32.27

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
860 000	-5 490	14 4000	864 00000	5 490	33 91	3 19E+01	32 27
870 000	-5 490	14 5667	874 00000	5 490	33 91	3 19E+01	32 27
880 000	-5 490	14 7333	884 00000	5 490	33 91	3 19E+01	32.27
890 000	-5 490	14 9000	894 00000	5 490	33 91	3 19E+01	32.27
900 000	-5 490	15 0667	904 00000	5 490	33 91	3 19E+01	32.27
910 000	-5 490	15 2333	914 00000	5 490	33 91	3 19E+01	32.27
920 000	-5 490	15 4000	924 00000	5 490	33 91	3 19E+01	32.27
930 000	-5 490	15 5667	934 00000	5 490	33 91	3 19E+01	32.27
940 000	-5 490	15 7333	944 00000	5 490	33 91	3 19E+01	32.27
950 000	-5 490	15 9000	954 00000	5 490	33 91	3 19E+01	32.27
960 000	-5 490	16 0667	964 00000	5 490	33 91	3 19E+01	32.27
970 000	-5 490	16 2333	974 00000	5 490	33 91	3 19E+01	32.27
980 000	-5 490	16 4000	984 00000	5 490	33 91	3 19E+01	32.27
990 000	-5 490	16 5667	994 00000	5 490	33 91	3 19E+01	32.27
1000 000	-5 500	16 7333	1004 00000	5 500	33 90	3 19E+01	32.33
1100 000	-5 500	18 4000	1104 00000	5 500	33 90	3 19E+01	32.33
1200 000	-5 510	20 0667	1204 00000	5 510	33 89	3 20E+01	32.39
1300 000	-5 520	21 7333	1304 00000	5 520	33 88	3 21E+01	32.45

Well No. 06191
Measured recovery after sampling

Date: 12-Aug-94
3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume



Well No

06191

Date Sampled

3rd quarter
12-Aug-94

Final bail time	12:26	Delay	4 00	Minutes
Set transducer time	12:30			
Static water level (pre-sampling)	34.0	feet below top of casing		
Final water level (post-recovery)	31.8	feet below top of casing		
Last recorded water level	-0.4	feet below transducer		
Transducer reference depth	36.2	feet below top of casing		
Bottom of well	36.4	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	36.2	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.2	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	20.0	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 000		0 000	0 0667	4 00000	0 000	36 23		
0 003		0 000	0 0667	4 00330	0 000	36 23	0 00E+00	1 22
0 007		0 000	0 0668	4 00660	0 000	36 23	0 00E+00	1 22
0 010		0 000	0 0668	4 00990	0 000	36 23	0 00E+00	1 22
0 013		0 000	0 0669	4 01330	0 000	36 23	0 00E+00	1 22
0 017		0 000	0 0669	4 01660	0 000	36 23	0 00E+00	1 22
0 020		0 000	0 0670	4 02000	0 000	36 23	0 00E+00	1 22
0 023		0 000	0 0671	4 02330	0 000	36 23	0 00E+00	1 22
0 027		0 000	0 0671	4 02660	0 000	36 23	0 00E+00	1 22
0 030		0 000	0 0672	4 03000	0 000	36 23	0 00E+00	1 22
0 033		0 000	0 0672	4 03330	0 000	36 23	0 00E+00	1 22
0 050		0 000	0 0675	4 05000	0 000	36 23	0 00E+00	1 22
0 067		0 000	0 0678	4 06660	0 000	36 23	0 00E+00	1 22
0 083		0 000	0 0681	4 08330	0 000	36 23	0 00E+00	1 22
0 100		0 000	0 0683	4 10000	0 000	36 23	0 00E+00	1 22
0 117		0 000	0 0686	4 11660	0 000	36 23	0 00E+00	1 22
0 133		0 000	0 0689	4 13330	0 000	36 23	0 00E+00	1 22
0 150		0 000	0 0692	4 15000	0 000	36 23	0 00E+00	1 22
0 167		0 000	0 0694	4 16660	0 000	36 23	0 00E+00	1 22
0 183		0 000	0 0697	4 18330	0 000	36 23	0 00E+00	1 22
0 200		0 000	0 0700	4 20000	0 000	36 23	0 00E+00	1 22
0 217		0 000	0 0703	4 21660	0 000	36 23	0 00E+00	1 22
0 233		0 000	0 0706	4 23330	0 000	36 23	0 00E+00	1 22
0 250		0 000	0 0708	4 25000	0 000	36 23	0 00E+00	1 22
0 267		0 000	0 0711	4 26660	0 000	36 23	0 00E+00	1 22
0 283		0 000	0 0714	4 28330	0 000	36 23	0 00E+00	1 22
0 300		0 000	0 0717	4 30000	0 000	36 23	0 00E+00	1 22
0 317	-0 010	0 000	0 0719	4 31660	0 010	36 22	5.81E-02	1 28
0 333		0 000	0 0722	4 33330	0 000	36 23	0 00E+00	1 22
0 417		0 000	0 0736	4 41670	0 000	36 23	0 00E+00	1 22
0 500		0 000	0 0750	4 50000	0 000	36 23	0 00E+00	1 22
0 583		0 000	0 0764	4 58330	0 000	36 23	0 00E+00	1 22
0 667		0 000	0 0778	4 66670	0 000	36 23	0 00E+00	1 22
0 750		0 000	0 0792	4 75000	0 000	36 23	0 00E+00	1 22
0 833		0 000	0 0806	4 83330	0 000	36 23	0 00E+00	1 22
0 917		0 000	0 0819	4 91670	0 000	36 23	0 00E+00	1 22
1 000		0 000	0 0833	5 00000	0 000	36 23	0 00E+00	1 22
1 083		0 000	0 0847	5 08330	0 000	36 23	0 00E+00	1 22

Input data						Cumulative	Volume of
Transducer Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
1 167	0 000	0 0861	5 16670	0 000	36 23	0 00E+00	1 22
1 250	0 000	0 0875	5 25000	0 000	36 23	0 00E+00	1 22
1 333	0 000	0 0889	5 33330	0 000	36 23	0 00E+00	1 22
1 417	0 000	0 0903	5 41660	0 000	36 23	0 00E+00	1 22
1 500	0 000	0 0917	5 50000	0 000	36 23	0 00E+00	1 22
1 583	0 000	0 0931	5 58330	0 000	36 23	0 00E+00	1 22
1 667	0 000	0 0944	5 66670	0 000	36 23	0 00E+00	1 22
1 750	0 000	0 0958	5 75000	0 000	36 23	0 00E+00	1 22
1 833	0 000	0 0972	5 83330	0 000	36 23	0 00E+00	1 22
1 917	0 000	0 0986	5 91670	0 000	36 23	0 00E+00	1 22
2 000	0 000	0 1000	6 00000	0 000	36 23	0 00E+00	1 22
2 500	0 000	0 1083	6 50000	0 000	36 23	0 00E+00	1 22
3 000	0 000	0 1167	7 00000	0 000	36 23	0 00E+00	1 22
3 500	0 000	0 1250	7 50000	0 000	36 23	0 00E+00	1 22
4 000	0 000	0 1333	8 00000	0 000	36 23	0 00E+00	1 22
4 500	0 000	0 1417	8 50000	0 000	36 23	0 00E+00	1 22
5 000	0 000	0 1500	9 00000	0 000	36 23	0 00E+00	1 22
5 500	0 000	0 1583	9 50000	0 000	36 23	0 00E+00	1 22
6 000	0 000	0 1667	10 00000	0 000	36 23	0 00E+00	1 22
6 500	0 000	0 1750	10 50000	0 000	36 23	0 00E+00	1 22
7 000	0 000	0 1833	11 00000	0 000	36 23	0 00E+00	1 22
7 500	0 000	0 1917	11 50000	0 000	36 23	0 00E+00	1 22
8 000	0 000	0 2000	12 00000	0 000	36 23	0 00E+00	1 22
8 500	0 000	0 2083	12 50000	0 000	36 23	0 00E+00	1 22
9 000	0 000	0 2167	13 00000	0 000	36 23	0 00E+00	1 22
9 500	0 000	0 2250	13 50000	0 000	36 23	0 00E+00	1 22
10 000	0 000	0 2333	14 00000	0 000	36 23	0 00E+00	1 22
12 000	0 000	0 2667	16 00000	0 000	36 23	0 00E+00	1 22
14 000	0 000	0 3000	18 00000	0 000	36 23	0 00E+00	1 22
16 000	0 000	0 3333	20 00000	0 000	36 23	0 00E+00	1 22
18 000	0 000	0 3667	22 00000	0 000	36 23	0 00E+00	1 22
20 000	0 000	0 4000	24 00000	0 000	36 23	0 00E+00	1 22
22 000	0 000	0 4333	26 00000	0 000	36 23	0 00E+00	1 22
24 000	0 000	0 4667	28 00000	0 000	36 23	0 00E+00	1 22
26 000	0 000	0 5000	30 00000	0 000	36 23	0 00E+00	1 22
28 000	0 000	0 5333	32 00000	0 000	36 23	0 00E+00	1 22
30 000	0 000	0 5667	34 00000	0 000	36 23	0 00E+00	1 22
32 000	0 000	0 6000	36 00000	0 000	36 23	0 00E+00	1 22
34 000	0 000	0 6333	38 00000	0 000	36 23	0 00E+00	1 22
36 000	0 000	0 6667	40 00000	0 000	36 23	0 00E+00	1 22
38 000	0 000	0 7000	42 00000	0 000	36 23	0 00E+00	1 22
40 000	0 000	0 7333	44 00000	0 000	36 23	0 00E+00	1 22
42 000	0 000	0 7667	46 00000	0 000	36 23	0 00E+00	1 22
44 000	0 000	0 8000	48 00000	0 000	36 23	0 00E+00	1 22
46 000	0 000	0 8333	50 00000	0 000	36 23	0 00E+00	1 22
48 000	0 000	0 8667	52 00000	0 000	36 23	0 00E+00	1 22
50 000	0 000	0 9000	54 00000	0 000	36 23	0 00E+00	1 22
52 000	0 000	0 9333	56 00000	0 000	36 23	0 00E+00	1 22
54 000	0 000	0 9667	58 00000	0 000	36 23	0 00E+00	1 22
56 000	0 000	1 0000	60 00000	0 000	36 23	0 00E+00	1 22
58 000	0 000	1 0333	62 00000	0 000	36 23	0 00E+00	1 22
60 000	0 000	1 0667	64 00000	0 000	36 23	0 00E+00	1 22
62 000	0 000	1 1000	66 00000	0 000	36 23	0 00E+00	1 22
64 000	0 000	1 1333	68 00000	0 000	36 23	0 00E+00	1 22
66 000	0 000	1 1667	70 00000	0 000	36 23	0 00E+00	1 22
68 000	0 000	1 2000	72 00000	0 000	36 23	0 00E+00	1 22
70 000	0 000	1 2333	74 00000	0 000	36 23	0 00E+00	1 22
72 000	0 000	1 2667	76 00000	0 000	36 23	0 00E+00	1 22
74 000	0 000	1 3000	78 00000	0 000	36 23	0 00E+00	1 22
76 000	0 000	1 3333	80 00000	0 000	36 23	0 00E+00	1 22
78 000	0 000	1 3667	82 00000	0 000	36 23	0 00E+00	1 22
80 000	0 000	1 4000	84 00000	0 000	36 23	0 00E+00	1 22
82 000	0 000	1 4333	86 00000	0 000	36 23	0 00E+00	1 22
84 000	0 000	1 4667	88 00000	0 000	36 23	0 00E+00	1 22
86 000	0 000	1 5000	90 00000	0 000	36 23	0 00E+00	1 22
88 000	0 000	1 5333	92 00000	0 000	36 23	0 00E+00	1 22
90 000	0 000	1 5667	94 00000	0 000	36 23	0 00E+00	1 22
92 000	0 000	1 6000	96 00000	0 000	36 23	0 00E+00	1 22
94 000	0 000	1 6333	98 00000	0 000	36 23	0 00E+00	1 22
96 000	0 000	1 6667	100 00000	0 000	36 23	0 00E+00	1 22
98 000	0 000	1 7000	102 00000	0 000	36 23	0 00E+00	1 22
100 000	0 000	1 7333	104 00000	0 000	36 23	0 00E+00	1 22

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final fall (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
110 000	0 000	0 000	1 9000	114 00000	0 000	36 23	0 00E+00	1 22
120 000	0 000	0 000	2 0667	124 00000	0 000	36 23	0 00E+00	1 22
130 000	0 000	0 000	2 2333	134 00000	0 000	36 23	0 00E+00	1 22
140 000	0 000	0 000	2 4000	144 00000	0 000	36 23	0 00E+00	1 22
150 000	-0 010	0 000	2 5667	154 00000	0 010	36 22	5 81E-02	1 28
160 000	-0 010	0 000	2 7333	164 00000	0 010	36 22	5 81E-02	1 28
170 000	-0 010	0 000	2 9000	174 00000	0 010	36 22	5 81E-02	1 28
180 000	-0 010	0 000	3 0667	184 00000	0 010	36 22	5 81E-02	1 28
190 000	-0 010	0 000	3 2333	194 00000	0 010	36 22	5 81E-02	1 28
200 000	-0 010	0 000	3 4000	204 00000	0 010	36 22	5 81E-02	1 28
210 000	-0 010	0 000	3 5667	214 00000	0 010	36 22	5 81E-02	1 28
220 000	-0 010	0 000	3 7333	224 00000	0 010	36 22	5 81E-02	1 28
230 000	-0 010	0 000	3 9000	234 00000	0 010	36 22	5 81E-02	1 28
240 000	-0 010	0 000	4 0667	244 00000	0 010	36 22	5 81E-02	1 28
250 000	-0 010	0 000	4 2333	254 00000	0 010	36 22	5 81E-02	1 28
260 000	-0 010	0 000	4 4000	264 00000	0 010	36 22	5 81E-02	1 28
270 000	-0 010	0 000	4 5667	274 00000	0 010	36 22	5 81E-02	1 28
280 000	-0 020	0 000	4 7333	284 00000	0 020	36 21	1 16E-01	1 34
290 000	-0 020	0 000	4 9000	294 00000	0 020	36 21	1 16E-01	1 34
300 000	-0 020	0 000	5 0667	304 00000	0 020	36 21	1 16E-01	1 34
310 000	-0 020	0 000	5 2333	314 00000	0 020	36 21	1 16E-01	1 34
320 000	-0 020	0 000	5 4000	324 00000	0 020	36 21	1 16E-01	1 34
330 000	-0 020	0 000	5 5667	334 00000	0 020	36 21	1 16E-01	1 34
340 000	-0 020	0 000	5 7333	344 00000	0 020	36 21	1 16E-01	1 34
350 000	-0 020	0 000	5 9000	354 00000	0 020	36 21	1 16E-01	1 34
360 000	-0 020	0 000	6 0667	364 00000	0 020	36 21	1 16E-01	1 34
370 000	-0 020	0 000	6 2333	374 00000	0 020	36 21	1 16E-01	1 34
380 000	-0 020	0 000	6 4000	384 00000	0 020	36 21	1 16E-01	1 34
390 000	-0 020	0 000	6 5667	394 00000	0 020	36 21	1 16E-01	1 34
400 000	-0 020	0 000	6 7333	404 00000	0 020	36 21	1 16E-01	1 34
410 000	-0 030	0 000	6 9000	414 00000	0 030	36 20	1 74E-01	1 39
420 000	-0 030	0 000	7 0667	424 00000	0 030	36 20	1 74E-01	1 39
430 000	-0 030	0 000	7 2333	434 00000	0 030	36 20	1 74E-01	1 39
440 000	-0 030	0 000	7 4000	444 00000	0 030	36 20	1 74E-01	1 39
450 000	-0 030	0 000	7 5667	454 00000	0 030	36 20	1 74E-01	1 39
460 000	-0 030	0 000	7 7333	464 00000	0 030	36 20	1 74E-01	1 39
470 000	-0 030	0 000	7 9000	474 00000	0 030	36 20	1 74E-01	1 39
480 000	-0 030	0 000	8 0667	484 00000	0 030	36 20	1 74E-01	1 39
490 000	-0 030	0 000	8 2333	494 00000	0 030	36 20	1 74E-01	1 39
500 000	-0 030	0 000	8 4000	504 00000	0 030	36 20	1 74E-01	1 39
510 000	-0 030	0 000	8 5667	514 00000	0 030	36 20	1 74E-01	1 39
520 000	-0 030	0 000	8 7333	524 00000	0 030	36 20	1 74E-01	1 39
530 000	-0 040	0 000	8 9000	534 00000	0 040	36 19	2 32E-01	1 45
540 000	-0 040	0 000	9 0667	544 00000	0 040	36 19	2 32E-01	1 45
550 000	-0 040	0 000	9 2333	554 00000	0 040	36 19	2 32E-01	1 45
560 000	-0 040	0 000	9 4000	564 00000	0 040	36 19	2 32E-01	1 45
570 000	-0 040	0 000	9 5667	574 00000	0 040	36 19	2 32E-01	1 45
580 000	-0 040	0 000	9 7333	584 00000	0 040	36 19	2 32E-01	1 45
590 000	-0 040	0 000	9 9000	594 00000	0 040	36 19	2 32E-01	1 45
600 000	-0 040	0 000	10 0667	604 00000	0 040	36 19	2 32E-01	1 45
610 000	-0 040	0 000	10 2333	614 00000	0 040	36 19	2 32E-01	1 45
620 000	-0 040	0 000	10 4000	624 00000	0 040	36 19	2 32E-01	1 45
630 000	-0 040	0 000	10 5667	634 00000	0 040	36 19	2 32E-01	1 45
640 000	-0 040	0 000	10 7333	644 00000	0 040	36 19	2 32E-01	1 45
650 000	-0 040	0 000	10 9000	654 00000	0 040	36 19	2 32E-01	1 45
660 000	-0 040	0 000	11 0667	664 00000	0 040	36 19	2 32E 01	1 45
670 000	-0 040	0 000	11 2333	674 00000	0 040	36 19	2 32E-01	1 45
680 000	-0 040	0 050	11 4000	684 00000	0 040	36 19	2 32E-01	1 45
690 000	0 050	0 000	11 5667	694 00000	0 050	36 18	2 90E-01	1 51
700 000	-0 050	0 000	11 7333	704 00000	0 050	36 18	2 90E-01	1 51
710 000	-0 050	0 000	11 9000	714 00000	0 050	36 18	2 90E-01	1 51
720 000	-0 050	0 000	12 0667	724 00000	0 050	36 18	2 90E-01	1 51
730 000	-0 050	0 000	12 2333	734 00000	0 050	36 18	2 90E-01	1 51
740 000	-0 050	0 000	12 4000	744 00000	0 050	36 18	2 90E-01	1 51
750 000	-0 050	0 000	12 5667	754 00000	0 050	36 18	2 90E-01	1 51
760 000	-0 050	0 000	12 7333	764 00000	0 050	36 18	2 90E-01	1 51
770 000	-0 050	0 000	12 9000	774 00000	0 050	36 18	2 90E-01	1 51
780 000	-0 050	0 000	13 0667	784 00000	0 050	36 18	2 90E-01	1 51
790 000	-0 050	0 000	13 2333	794 00000	0 050	36 18	2 90E-01	1 51
800 000	-0 050	0 000	13 4000	804 00000	0 050	36 18	2 90E-01	1 51
810 000	-0 050	0 000	13 5667	814 00000	0 050	36 18	2 90E-01	1 51
820 000	-0 050	0 000	13 7333	824 00000	0 050	36 18	2 90E-01	1 51

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)			
830 000	-0 050	13 9000	834 00000	0 050	36 18		2 90E-01	1 51
840 000	-0 050	14 0667	844 00000	0 050	36 18		2 90E-01	1 51
850 000	-0 050	14 2333	854 00000	0 050	36 18		2 90E-01	1 51
860 000	-0 050	14 4000	864 00000	0 050	36 18		2 90E-01	1 51
870 000	-0 060	14 5667	874 00000	0 060	36 17		3 48E-01	1 57
880 000	-0 050	14 7333	884 00000	0 050	36 18		2 90E-01	1 51
890 000	-0 060	14 9000	894 00000	0 060	36 17		3 48E-01	1 57
900 000	-0 060	15 0667	904 00000	0 060	36 17		3 48E-01	1 57
910 000	-0 060	15 2333	914 00000	0 060	36 17		3 48E-01	1 57
920 000	-0 060	15 4000	924 00000	0 060	36 17		3 48E-01	1 57
930 000	-0 060	15 5667	934 00000	0 060	36 17		3 48E-01	1 57
940 000	-0 060	15 7333	944 00000	0 060	36 17		3 48E-01	1 57
950 000	-0 060	15 9000	954 00000	0 060	36 17		3 48E-01	1 57
960 000	-0 060	16 0667	964 00000	0 060	36 17		3 48E-01	1 57
970 000	-0 060	16 2333	974 00000	0 060	36 17		3 48E-01	1 57
980 000	-0 060	16 4000	984 00000	0 060	36 17		3 48E-01	1 57
990 000	-0 060	16 5667	994 00000	0 060	36 17		3 48E-01	1 57
1000 000	-0 060	16 7333	1004 00000	0 060	36 17		3 48E-01	1 57
1100 000	-0 070	18 4000	1104 00000	0 070	36 16		4 07E-01	1 63
1200 000	-0 070	20 0667	1204 00000	0 070	36 16		4 07E-01	1 63
1300 000	-0 070	21 7333	1304 00000	0 070	36 16		4 07E-01	1 63
1400 000	-0 080	23 4000	1404 00000	0 080	36 15		4 65E-01	1 68
1500 000	-0 090	25 0667	1504 00000	0 090	36 14		5 23E-01	1 74
1600 000	-0 100	26 7333	1604 00000	0 100	36 13		5 81E-01	1 80
1700 000	-0 100	28 4000	1704 00000	0 100	36 13		5 81E-01	1 80
1800 000	-0 110	30 0667	1804 00000	0 110	36 12		6 39E-01	1 86
1900 000	-0 110	31 7333	1904 00000	0 110	36 12		6 39E-01	1 86
2000 000	-0 120	33 4000	2004 00000	0 120	36 11		6 97E-01	1 92
2100 000	-0 120	35 0667	2104 00000	0 120	36 11		6 97E-01	1 92
2200 000	-0 130	36 7333	2204 00000	0 130	36 10		7 55E-01	1 97
2300 000	-0 130	38 4000	2304 00000	0 130	36 10		7 55E-01	1 97
2400 000	-0 140	40 0667	2404 00000	0 140	36 09		8 13E-01	2 03
2500 000	-0 140	41 7333	2504 00000	0 140	36 09		8 13E-01	2 03
2600 000	-0 140	43 4000	2604 00000	0 140	36 09		8 13E-01	2 03
2700 000	-0 150	45 0667	2704 00000	0 150	36 08		8 71E-01	2 09
2800 000	-0 160	46 7333	2804 00000	0 160	36 07		9 29E-01	2 15
2900 000	-0 170	48 4000	2904 00000	0 170	36 06		9 87E-01	2 21
3000 000	-0 170	50 0667	3004 00000	0 170	36 06		9 87E-01	2 21
3100 000	-0 190	51 7333	3104 00000	0 190	36 04		1 10E+00	2 32
3200 000	-0 190	53 4000	3204 00000	0 190	36 04		1 10E+00	2 32
3300 000	-0 200	55 0667	3304 00000	0 200	36 03		1 16E+00	2 38
3400 000	-0 200	56 7333	3404 00000	0 200	36 03		1 16E+00	2 38
3500 000	-0 210	58 4000	3504 00000	0 210	36 02		1 22E+00	2 44
3600 000	-0 210	60 0667	3604 00000	0 210	36 02		1 22E+00	2 44
3700 000	-0 220	61 7333	3704 00000	0 220	36 01		1 28E+00	2 50
3800 000	-0 220	63 4000	3804 00000	0 220	36 01		1 28E+00	2 50
3900 000	-0 230	65 0667	3904 00000	0 230	36 00		1 34E+00	2 56
4000 000	-0 230	66 7333	4004 00000	0 230	36 00		1 34E+00	2 56
4100 000	-0 230	68 4000	4104 00000	0 230	36 00		1 34E+00	2 56
4200 000	-0 240	70 0667	4204 00000	0 240	35 99		1 39E+00	2 61
4300 000	-0 250	71 7333	4304 00000	0 250	35 98		1 45E+00	2 67
4400 000	-0 260	73 4000	4404 00000	0 260	35 97		1 51E+00	2 73
4500 000	-0 270	75 0667	4504 00000	0 270	35 96		1 57E+00	2 79
4600 000	-0 280	76 7333	4604 00000	0 280	35 95		1 63E+00	2 85
4700 000	-0 280	78 4000	4704 00000	0 280	35 95		1 63E+00	2 85
4800 000	-0 290	80 0667	4804 00000	0 290	35 94		1 68E+00	2 90
4900 000	-0 290	81 7333	4904 00000	0 290	35 94		1 68E+00	2 90
5000 000	-0 290	83 4000	5004 00000	0 290	35 94		1 68E+00	2 90
5100 000	-0 300	85 0667	5104 00000	0 300	35 93		1 74E+00	2 96
5200 000	-0 310	86 7333	5204 00000	0 310	35 92		1 80E+00	3 02
5300 000	-0 320	88 4000	5304 00000	0 320	35 91		1 86E+00	3 08
5400 000	-0 320	90 0667	5404 00000	0 320	35 91		1 86E+00	3 08
5500 000	-0 320	91 7333	5504 00000	0 320	35 91		1 86E+00	3 08
5600 000	-0 330	93 4000	5604 00000	0 330	35 90		1 92E+00	3 14
5700 000	-0 340	95 0667	5704 00000	0 340	35 89		1 97E+00	3 19
5800 000	-0 340	96 7333	5804 00000	0 340	35 89		1 97E+00	3 19
5900 000	-0 350	98 4000	5904 00000	0 350	35 88		2 03E+00	3 25
6000 000	-0 350	100 0667	6004 00000	0 350	35 88		2 03E+00	3 25
6100 000	-0 360	101 7333	6104 00000	0 360	35 87		2 09E+00	3 31
6200 000	-0 370	103 4000	6204 00000	0 370	35 86		2 15E+00	3 37
6300 000	-0 370	105 0667	6304 00000	0 370	35 86		2 15E+00	3 37
6400 000	-0 370	106 7333	6404 00000	0 370	35 86		2 15E+00	3 37

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
6500 000	-0 380	108 4000	6504 00000	0 380	35 85		2 21E+00	3 43
6600 000	-0 380	110 0667	6604 00000	0 380	35 85		2 21E+00	3 43
6700 000	-0 390	111 7333	6704 00000	0 390	35 84		2 27E+00	3 48
6800 000	-0 400	113 4000	6804 00000	0 400	35 83		2 32E+00	3 54
6900 000	-0 390	115 0667	6904 00000	0 390	35 84		2 27E+00	3 48
7000 000	-0 400	116 7333	7004 00000	0 400	35 83		2 32E+00	3 54
7100 000	-0 400	118 4000	7104 00000	0 400	35 83		2 32E+00	3 54
7200 000	-0 410	120 0667	7204 00000	0 410	35 82		2 38E+00	3 60

Well No. 06291

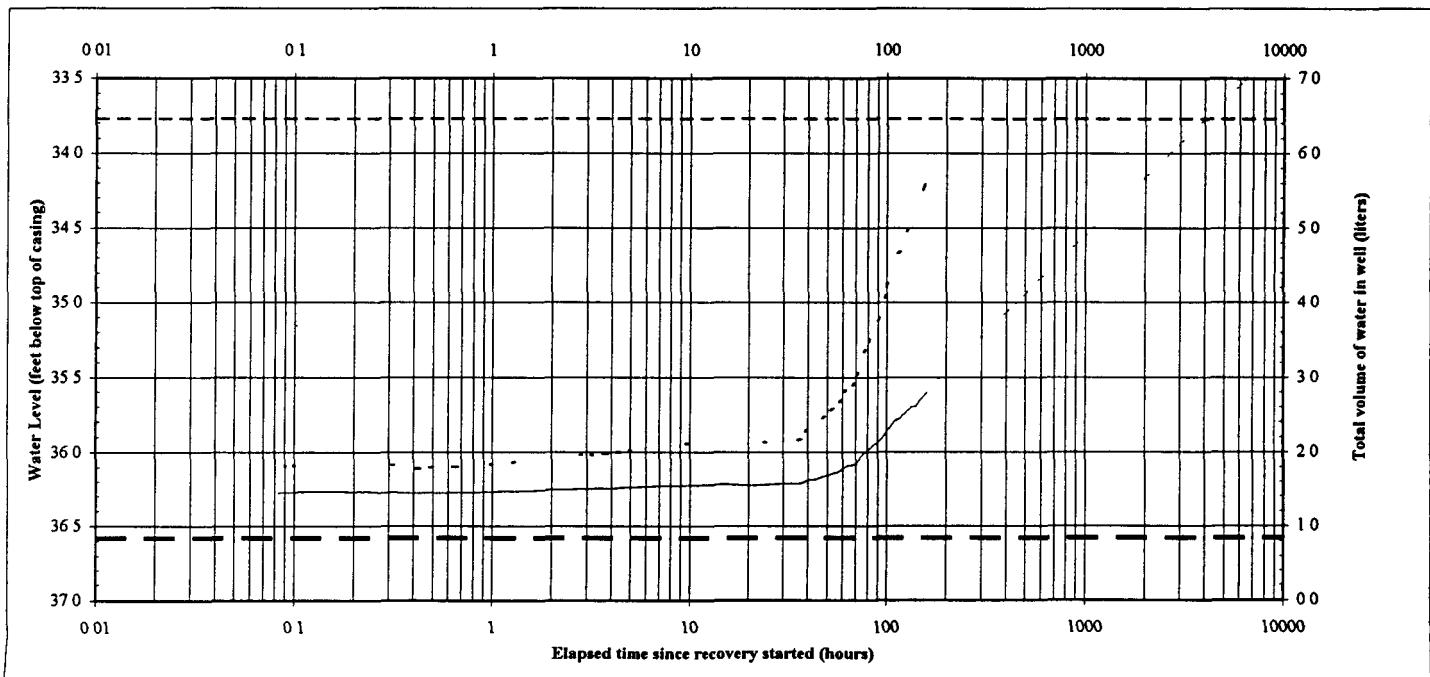
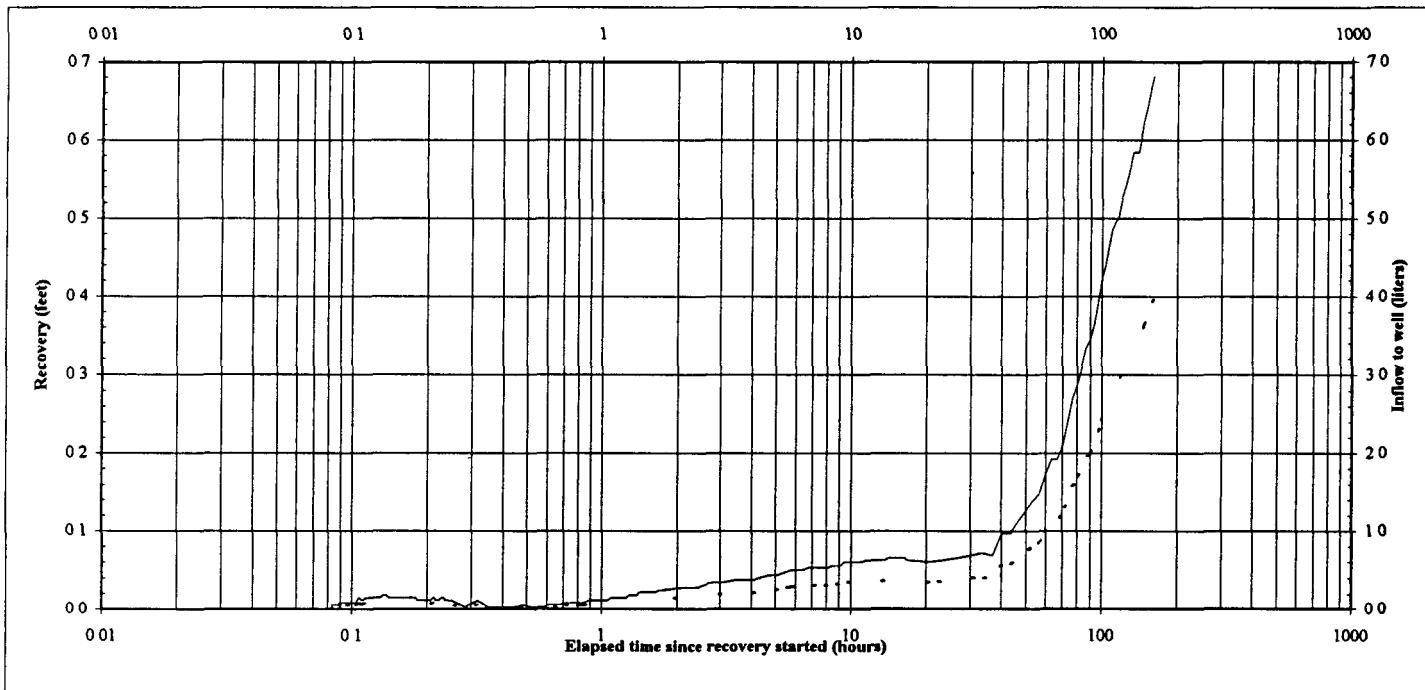
Measured recovery after sampling

Date: 11-Aug-94

3rd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume
Extrapolation to 100% recovery



Well No **06291**

Date Sampled **3rd quarter**
11-Aug-94

Final bail time	14:10	Delay	5 00	Minutes
Set transducer time	14:15			
Static water level (pre-sampling)	33.8	feet below top of casing		
Final water level (post-recovery)	35.6	feet below top of casing		
Last recorded water level	-0.7	feet below transducer		
Transducer reference depth	36.3	feet below top of casing		
Bottom of well	36.6	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	36.3	feet below top of casing		
Water column remaining in casing after purging	0.3	feet		
Volume remaining in casing after purging	1.8	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	25.9	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Δ head (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
0 000	0 0833	-0.006	5 00000	0 006	36 28			
0 003	0 0834	-0.003	5 00330	0 003	36 28		1 74E-02	1 78
0 007	0 0834	-0.006	5 00660	0 006	36 28		3 48E-02	1 80
0 010	0 0835	-0.003	5 01000	0 003	36 28		1 74E-02	1 78
0 013	0 0836	-0.006	5 01330	0 006	36 28		3 48E-02	1 80
0 017	0 0836	-0.006	5 01660	0 006	36 28		3 48E-02	1 80
0 020	0 0837	-0.006	5 02000	0 006	36 28		3 48E-02	1 80
0 023	0 0837	-0.006	5 02330	0 006	36 28		3 48E-02	1 80
0 027	0 0838	-0.006	5 02660	0 006	36 28		3 48E-02	1 80
0 030	0 0838	-0.006	5 03000	0 006	36 28		3 48E-02	1 80
0 033	0 0839	-0.006	5 03330	0 006	36 28		3 48E-02	1 80
0 037	0 0839	-0.006	5 03660	0 006	36 28		3 48E-02	1 80
0 040	0 0840	-0.006	5 04000	0 006	36 28		3 48E-02	1 80
0 043	0 0841	-0.006	5 04330	0 006	36 28		3 48E-02	1 80
0 047	0 0841	-0.006	5 04660	0 006	36 28		3 48E-02	1 80
0 050	0 0842	-0.006	5 05000	0 006	36 28		3 48E-02	1 80
0 053	0 0842	-0.006	5 05330	0 006	36 28		3 48E-02	1 80
0 057	0 0843	-0.006	5 05660	0 006	36 28		3 48E-02	1 80
0 060	0 0843	-0.006	5 06000	0 006	36 28		3 48E-02	1 80
0 063	0 0844	-0.006	5 06330	0 006	36 28		3 48E-02	1 80
0 067	0 0844	-0.006	5 06660	0 006	36 28		3 48E-02	1 80
0 070	0 0845	-0.006	5 07000	0 006	36 28		3 48E-02	1 80
0 073	0 0846	-0.006	5 07330	0 006	36 28		3 48E-02	1 80
0 077	0 0846	-0.006	5 07660	0 006	36 28		3 48E-02	1 80
0 080	0 0847	-0.006	5 08000	0 006	36 28		3 48E-02	1 80
0 083	0 0847	-0.006	5 08330	0 006	36 28		3 48E-02	1 80
0 087	0 0848	-0.006	5 08660	0 006	36 28		3 48E-02	1 80
0 090	0 0848	-0.006	5 09000	0 006	36 28		3 48E-02	1 80
0 093	0 0849	-0.006	5 09330	0 006	36 28		3 48E-02	1 80
0 097	0 0849	-0.006	5 09660	0 006	36 28		3 48E-02	1 80
0 100	0 0850	-0.006	5 10000	0 006	36 28		3 48E-02	1 80
0 103	0 0851	-0.006	5 10330	0 006	36 28		3 48E-02	1 80
0 107	0 0851	-0.006	5 10660	0 006	36 28		3 48E-02	1 80
0 110	0 0852	-0.006	5 11000	0 006	36 28		3 48E-02	1 80
0 113	0 0852	-0.006	5 11330	0 006	36 28		3 48E-02	1 80
0 117	0 0853	-0.006	5 11660	0 006	36 28		3 48E-02	1 80
0 120	0 0853	-0.006	5 12000	0 006	36 28		3 48E-02	1 80
0 123	0 0854	-0.006	5 12330	0 006	36 28		3 48E-02	1 80

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final ball (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
	(minutes)	(feet)	(hours)		(Feet of water)	(fbtc)		
0 127	-0 006	0 0854	5 12660	0 006	36 28		3 48E-02	1 80
0 130	-0 006	0 0855	5 13000	0 006	36 28		3 48E-02	1 80
0 133	-0 006	0 0856	5 13330	0 006	36 28		3 48E-02	1 80
0 137	-0 006	0 0856	5 13660	0 006	36 28		3 48E-02	1 80
0 140	-0 006	0 0857	5 14000	0 006	36 28		3 48E-02	1 80
0 143	-0 006	0 0857	5 14330	0 006	36 28		3 48E-02	1 80
0 147	-0 006	0 0858	5 14660	0 006	36 28		3 48E-02	1 80
0 150	-0 006	0 0858	5 15000	0 006	36 28		3 48E-02	1 80
0 153	-0 006	0 0859	5 15330	0 006	36 28		3 48E-02	1 80
0 157	-0 006	0 0859	5 15660	0 006	36 28		3 48E-02	1 80
0 160	-0 006	0 0860	5 16000	0 006	36 28		3 48E-02	1 80
0 163	-0 006	0 0861	5 16330	0 006	36 28		3 48E-02	1 80
0 167	-0 006	0 0861	5 16660	0 006	36 28		3 48E-02	1 80
0 170	-0 006	0 0862	5 17000	0 006	36 28		3 48E-02	1 80
0 173	-0 006	0 0862	5 17330	0 006	36 28		3 48E-02	1 80
0 177	-0 006	0 0863	5 17660	0 006	36 28		3 48E-02	1 80
0 180	-0 006	0 0863	5 18000	0 006	36 28		3 48E-02	1 80
0 183	-0 006	0 0864	5 18330	0 006	36 28		3 48E-02	1 80
0 187	-0 006	0 0864	5 18660	0 006	36 28		3 48E-02	1 80
0 190	-0 006	0 0865	5 19000	0 006	36 28		3 48E-02	1 80
0 193	-0 006	0 0866	5 19330	0 006	36 28		3 48E-02	1 80
0 197	-0 006	0 0866	5 19660	0 006	36 28		3 48E-02	1 80
0 200	-0 006	0 0867	5 20000	0 006	36 28		3 48E-02	1 80
0 203	-0 006	0 0867	5 20330	0 006	36 28		3 48E-02	1 80
0 207	-0 006	0 0868	5 20660	0 006	36 28		3 48E-02	1 80
0 210	-0 006	0 0868	5 21000	0 006	36 28		3 48E-02	1 80
0 213	-0 006	0 0869	5 21330	0 006	36 28		3 48E-02	1 80
0 217	-0 006	0 0869	5 21660	0 006	36 28		3 48E-02	1 80
0 220	-0 006	0 0870	5 22000	0 006	36 28		3 48E-02	1 80
0 223	-0 006	0 0871	5 22330	0 006	36 28		3 48E-02	1 80
0 227	-0 006	0 0871	5 22660	0 006	36 28		3 48E-02	1 80
0 230	-0 006	0 0872	5 23000	0 006	36 28		3 48E-02	1 80
0 233	-0 006	0 0872	5 23330	0 006	36 28		3 48E-02	1 80
0 237	-0 006	0 0873	5 23660	0 006	36 28		3 48E-02	1 80
0 240	-0 006	0 0873	5 24000	0 006	36 28		3 48E-02	1 80
0 243	-0 006	0 0874	5 24330	0 006	36 28		3 48E-02	1 80
0 247	-0 006	0 0874	5 24660	0 006	36 28		3 48E-02	1 80
0 250	-0 006	0 0875	5 25000	0 006	36 28		3 48E-02	1 80
0 253	-0 006	0 0876	5 25330	0 006	36 28		3 48E-02	1 80
0 257	-0 006	0 0876	5 25660	0 006	36 28		3 48E-02	1 80
0 260	-0 006	0 0877	5 26000	0 006	36 28		3 48E-02	1 80
0 263	-0 006	0 0877	5 26330	0 006	36 28		3 48E-02	1 80
0 267	-0 006	0 0878	5 26660	0 006	36 28		3 48E-02	1 80
0 270	-0 006	0 0878	5 27000	0 006	36 28		3 48E-02	1 80
0 273	-0 006	0 0879	5 27330	0 006	36 28		3 48E-02	1 80
0 277	-0 006	0 0879	5 27660	0 006	36 28		3 48E-02	1 80
0 280	-0 006	0 0880	5 28000	0 006	36 28		3 48E-02	1 80
0 283	-0 006	0 0881	5 28330	0 006	36 28		3 48E-02	1 80
0 287	-0 006	0 0881	5 28660	0 006	36 28		3 48E-02	1 80
0 290	-0 006	0 0882	5 29000	0 006	36 28		3 48E-02	1 80
0 293	-0 006	0 0882	5 29330	0 006	36 28		3 48E-02	1 80
0 297	-0 006	0 0883	5 29660	0 006	36 28		3 48E-02	1 80
0 300	-0 006	0 0883	5 30000	0 006	36 28		3 48E-02	1 80
0 303	-0 006	0 0884	5 30330	0 006	36 28		3 48E-02	1 80
0 307	-0 006	0 0884	5 30660	0 006	36 28		3 48E-02	1 80
0 310	-0 006	0 0885	5 31000	0 006	36 28		3 48E-02	1 80
0 313	-0 006	0 0886	5 31330	0 006	36 28		3 48E-02	1 80
0 317	-0 006	0 0886	5 31660	0 006	36 28		3 48E-02	1 80
0 320	-0 006	0 0887	5 32000	0 006	36 28		3 48E-02	1 80
0 323	-0 006	0 0887	5 32330	0 006	36 28		3 48E-02	1 80
0 327	-0 006	0 0888	5 32660	0 006	36 28		3 48E-02	1 80
0 330	-0 006	0 0888	5 33000	0 006	36 28		3 48E-02	1 80
0 333	-0 006	0 0889	5 33330	0 006	36 28		3 48E-02	1 80
0 350	-0 009	0 0892	5 35000	0 009	36 27		5 23E-02	1 82
0 367	-0 009	0 0894	5 36660	0 009	36 27		5 23E-02	1 82
0 383	-0 009	0 0897	5 38330	0 009	36 27		5 23E-02	1 82
0 400	-0 009	0 0900	5 40000	0 009	36 27		5 23E-02	1 82
0 417	-0 009	0 0903	5 41660	0 009	36 27		5 23E-02	1 82
0 433	-0 006	0 0906	5 43330	0 006	36 28		3 48E-02	1 80
0 450	-0 009	0 0908	5 45000	0 009	36 27		5 23E-02	1 82
0 467	-0 009	0 0911	5 46660	0 009	36 27		5 23E-02	1 82
0 483	-0 009	0 0914	5 48330	0 009	36 27		5 23E-02	1 82

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
0 500	-0 009	0 0917	5 50000	0 009	36 27	5 23E-02	1 82	
0 517	-0 009	0 0919	5 51660	0 009	36 27	5 23E-02	1 82	
0 533	-0 009	0 0922	5 53330	0 009	36 27	5 23E-02	1 82	
0 550	-0 009	0 0925	5 55000	0 009	36 27	5 23E-02	1 82	
0 567	-0 009	0 0928	5 56660	0 009	36 27	5 23E-02	1 82	
0 583	-0 009	0 0931	5 58330	0 009	36 27	5 23E-02	1 82	
0 600	-0 009	0 0933	5 60000	0 009	36 27	5 23E-02	1 82	
0 617	-0 009	0 0936	5 61660	0 009	36 27	5 23E-02	1 82	
0 633	-0 009	0 0939	5 63330	0 009	36 27	5 23E-02	1 82	
0 650	-0 009	0 0942	5 65000	0 009	36 27	5 23E-02	1 82	
0 667	-0 009	0 0944	5 66660	0 009	36 27	5 23E-02	1 82	
0 683	-0 009	0 0947	5 68330	0 009	36 27	5 23E-02	1 82	
0 700	-0 009	0 0950	5 70000	0 009	36 27	5 23E-02	1 82	
0 717	-0 009	0 0953	5 71660	0 009	36 27	5 23E-02	1 82	
0 733	-0 009	0 0956	5 73330	0 009	36 27	5 23E-02	1 82	
0 750	-0 009	0 0958	5 75000	0 009	36 27	5 23E-02	1 82	
0 767	-0 009	0 0961	5 76660	0 009	36 27	5 23E-02	1 82	
0 783	-0 009	0 0964	5 78330	0 009	36 27	5 23E-02	1 82	
0 800	-0 009	0 0967	5 80000	0 009	36 27	5 23E-02	1 82	
0 817	-0 009	0 0969	5 81660	0 009	36 27	5 23E-02	1 82	
0 833	-0 009	0 0972	5 83330	0 009	36 27	5 23E-02	1 82	
0 850	-0 009	0 0975	5 85000	0 009	36 27	5 23E-02	1 82	
0 867	-0 009	0 0978	5 86660	0 009	36 27	5 23E-02	1 82	
0 883	-0 009	0 0981	5 88330	0 009	36 27	5 23E-02	1 82	
0 900	-0 009	0 0983	5 90000	0 009	36 27	5 23E-02	1 82	
0 917	-0 009	0 0986	5 91660	0 009	36 27	5 23E-02	1 82	
0 933	-0 009	0 0989	5 93330	0 009	36 27	5 23E-02	1 82	
0 950	-0 009	0 0992	5 95000	0 009	36 27	5 23E-02	1 82	
0 967	-0 009	0 0994	5 96660	0 009	36 27	5 23E-02	1 82	
0 983	-0 012	0 0997	5 98330	0 012	36 27	6 97E-02	1 84	
1 000	-0 009	0 1000	6 00000	0 009	36 27	5 23E-02	1 82	
1 200	-0 009	0 1033	6 20000	0 009	36 27	5 23E-02	1 82	
1 400	-0 015	0 1067	6 40000	0 015	36 27	8 71E-02	1 85	
1 600	-0 012	0 1100	6 60000	0 012	36 27	6 97E-02	1 84	
1 800	-0 015	0 1133	6 80000	0 015	36 27	8 71E-02	1 85	
2 000	-0 015	0 1167	7 00000	0 015	36 27	8 71E-02	1 85	
2 200	-0 015	0 1200	7 20000	0 015	36 27	8 71E-02	1 85	
2 400	-0 015	0 1233	7 40000	0 015	36 27	8 71E-02	1 85	
2 600	-0 015	0 1267	7 60000	0 015	36 27	8 71E-02	1 85	
2 800	-0 015	0 1300	7 80000	0 015	36 27	8 71E-02	1 85	
3 000	-0 018	0 1333	8 00000	0 018	36 26	1 05E-01	1 87	
3 200	-0 018	0 1367	8 20000	0 018	36 26	1 05E-01	1 87	
3 400	-0 015	0 1400	8 40000	0 015	36 27	8 71E-02	1 85	
3 600	-0 015	0 1433	8 60000	0 015	36 27	8 71E-02	1 85	
3 800	-0 015	0 1467	8 80000	0 015	36 27	8 71E-02	1 85	
4 000	-0 015	0 1500	9 00000	0 015	36 27	8 71E-02	1 85	
4 200	-0 015	0 1533	9 20000	0 015	36 27	8 71E-02	1 85	
4 400	-0 015	0 1567	9 40000	0 015	36 27	8 71E-02	1 85	
4 600	-0 015	0 1600	9 60000	0 015	36 27	8 71E-02	1 85	
4 800	-0 015	0 1633	9 80000	0 015	36 27	8 71E-02	1 85	
5 000	-0 015	0 1667	10 00000	0 015	36 27	8 71E-02	1 85	
5 200	-0 015	0 1700	10 20000	0 015	36 27	8 71E-02	1 85	
5 400	-0 015	0 1733	10 40000	0 015	36 27	8 71E-02	1 85	
5 600	-0 015	0 1767	10 60000	0 015	36 27	8 71E-02	1 85	
5 800	-0 015	0 1800	10 80000	0 015	36 27	8 71E-02	1 85	
6 000	-0 012	0 1833	11 00000	0 012	36 27	6 97E-02	1 84	
6 200	-0 012	0 1867	11 20000	0 012	36 27	6 97E-02	1 84	
6 400	-0 012	0 1900	11 40000	0 012	36 27	6 97E-02	1 84	
6 600	-0 012	0 1933	11 60000	0 012	36 27	6 97E-02	1 84	
6 800	-0 012	0 1967	11 80000	0 012	36 27	6 97E-02	1 84	
7 000	-0 012	0 2000	12 00000	0 012	36 27	6 97E-02	1 84	
7 200	-0 012	0 2033	12 20000	0 012	36 27	6 97E-02	1 84	
7 400	-0 012	0 2067	12 40000	0 012	36 27	6 97E-02	1 84	
7 600	-0 015	0 2100	12 60000	0 015	36 27	8 71E-02	1 85	
7 800	-0 015	0 2133	12 80000	0 015	36 27	8 71E-02	1 85	
8 000	-0 012	0 2167	13 00000	0 012	36 27	6 97E-02	1 84	
8 200	-0 012	0 2200	13 20000	0 012	36 27	6 97E-02	1 84	
8 400	-0 012	0 2233	13 40000	0 012	36 27	6 97E-02	1 84	
8 600	-0 015	0 2267	13 60000	0 015	36 27	8 71E-02	1 85	
8 800	-0 015	0 2300	13 80000	0 015	36 27	8 71E-02	1 85	
9 000	-0 015	0 2333	14 00000	0 015	36 27	8 71E-02	1 85	
9 200	-0 012	0 2367	14 20000	0 012	36 27	6 97E-02	1 84	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
9 400	-0 012	0 2400	0 2400	14 40000	0 012	36 27	6 97E-02	1 84
9 600	-0 012	0 2433	0 2433	14 60000	0 012	36 27	6 97E-02	1 84
9 800	-0 012	0 2467	0 2467	14 80000	0 012	36 27	6 97E-02	1 84
10 000	-0 012	0 2500	0 2500	15 00000	0 012	36 27	6 97E-02	1 84
12 000	-0 003	0 2833	0 2833	17 00000	0 003	36 28	1 74E-02	1 78
14 000	-0 012	0 3167	0 3167	19 00000	0 012	36 27	6 97E-02	1 84
16 000	-0 003	0 3500	0 3500	21 00000	0 003	36 28	1 74E-02	1 78
18 000	-0 003	0 3833	0 3833	23 00000	0 003	36 28	1 74E-02	1 78
20 000	-0 003	0 4167	0 4167	25 00000	0 003	36 28	1 74E-02	1 78
22 000	-0 003	0 4500	0 4500	27 00000	0 003	36 28	1 74E-02	1 78
24 000	-0 006	0 4833	0 4833	29 00000	0 006	36 28	3 48E-02	1 80
26 000	-0 003	0 5167	0 5167	31 00000	0 003	36 28	1 74E-02	1 78
28 000	-0 003	0 5500	0 5500	33 00000	0 003	36 28	1 74E-02	1 78
30 000	-0 003	0 5833	0 5833	35 00000	0 003	36 28	1 74E-02	1 78
32 000	-0 006	0 6167	0 6167	37 00000	0 006	36 28	3 48E-02	1 80
34 000	-0 006	0 6500	0 6500	39 00000	0 006	36 28	3 48E-02	1 80
36 000	-0 006	0 6833	0 6833	41 00000	0 006	36 28	3 48E-02	1 80
38 000	-0 009	0 7167	0 7167	43 00000	0 009	36 27	5 23E-02	1 82
40 000	-0 009	0 7500	0 7500	45 00000	0 009	36 27	5 23E-02	1 82
42 000	-0 009	0 7833	0 7833	47 00000	0 009	36 27	5 23E-02	1 82
44 000	-0 009	0 8167	0 8167	49 00000	0 009	36 27	5 23E-02	1 82
46 000	-0 009	0 8500	0 8500	51 00000	0 009	36 27	5 23E-02	1 82
48 000	-0 012	0 8833	0 8833	53 00000	0 012	36 27	6 97E-02	1 84
50 000	-0 012	0 9167	0 9167	55 00000	0 012	36 27	6 97E-02	1 84
52 000	-0 012	0 9500	0 9500	57 00000	0 012	36 27	6 97E-02	1 84
54 000	-0 012	0 9833	0 9833	59 00000	0 012	36 27	6 97E-02	1 84
56 000	-0 012	1 0167	1 0167	61 00000	0 012	36 27	6 97E-02	1 84
58 000	-0 012	1 0500	1 0500	63 00000	0 012	36 27	6 97E-02	1 84
60 000	-0 015	1 0833	1 0833	65 00000	0 015	36 27	8 71E-02	1 85
62 000	-0 015	1 1167	1 1167	67 00000	0 015	36 27	8 71E-02	1 85
64 000	-0 015	1 1500	1 1500	69 00000	0 015	36 27	8 71E-02	1 85
66 000	-0 015	1 1833	1 1833	71 00000	0 015	36 27	8 71E-02	1 85
68 000	-0 015	1 2167	1 2167	73 00000	0 015	36 27	8 71E-02	1 85
70 000	-0 015	1 2500	1 2500	75 00000	0 015	36 27	8 71E-02	1 85
72 000	-0 018	1 2833	1 2833	77 00000	0 018	36 26	1 05E-01	1 87
74 000	-0 018	1 3167	1 3167	79 00000	0 018	36 26	1 05E-01	1 87
76 000	-0 018	1 3500	1 3500	81 00000	0 018	36 26	1 05E-01	1 87
78 000	-0 018	1 3833	1 3833	83 00000	0 018	36 26	1 05E-01	1 87
80 000	-0 022	1 4167	1 4167	85 00000	0 022	36 26	1 28E-01	1 89
82 000	-0 022	1 4500	1 4500	87 00000	0 022	36 26	1 28E-01	1 89
84 000	-0 022	1 4833	1 4833	89 00000	0 022	36 26	1 28E-01	1 89
86 000	-0 022	1 5167	1 5167	91 00000	0 022	36 26	1 28E-01	1 89
88 000	-0 022	1 5500	1 5500	93 00000	0 022	36 26	1 28E-01	1 89
90 000	-0 022	1 5833	1 5833	95 00000	0 022	36 26	1 28E-01	1 89
92 000	-0 022	1 6167	1 6167	97 00000	0 022	36 26	1 28E-01	1 89
94 000	-0 022	1 6500	1 6500	99 00000	0 022	36 26	1 28E-01	1 89
96 000	-0 025	1 6833	1 6833	101 00000	0 025	36 26	1 45E-01	1 91
98 000	-0 025	1 7167	1 7167	103 00000	0 025	36 26	1 45E-01	1 91
100 000	-0 025	1 7500	1 7500	105 00000	0 025	36 26	1 45E-01	1 91
120 000	-0 028	2 0833	2 0833	125 00000	0 028	36 25	1 63E-01	1 93
140 000	-0 028	2.4167	2.4167	145 00000	0 028	36 25	1 63E-01	1 93
160 000	-0 034	2 7500	2 7500	165 00000	0 034	36 25	1 97E-01	1 96
180 000	-0 034	3 0833	3 0833	185 00000	0 034	36 25	1 97E-01	1 96
200 000	-0 037	3 4167	3 4167	205 00000	0 037	36 25	2 15E-01	1 98
220 000	-0 037	3 7500	3 7500	225 00000	0 037	36 25	2 15E-01	1 98
240 000	-0 037	4 0833	4 0833	245 00000	0 037	36 25	2 15E-01	1 98
260 000	-0 041	4 4167	4 4167	265 00000	0 041	36 24	2 38E-01	2 00
280 000	-0 044	4 7500	4 7500	285 00000	0 044	36 24	2 56E-01	2 02
300 000	-0 044	5 0833	5 0833	305 00000	0 044	36 24	2 56E-01	2 02
320 000	-0 047	5 4167	5 4167	325 00000	0 047	36 24	2 73E-01	2 04
340 000	-0 050	5 7500	5 7500	345 00000	0 050	36 23	2 90E-01	2 06
360 000	-0 050	6 0833	6 0833	365 00000	0 050	36 23	2 90E-01	2 06
380 000	-0 050	6 4167	6 4167	385 00000	0 050	36 23	2 90E-01	2 06
400 000	-0 053	6 7500	6 7500	405 00000	0 053	36 23	3 08E-01	2 07
420 000	-0 053	7 0833	7 0833	425 00000	0 053	36 23	3 08E-01	2 07
440 000	-0 053	7 4167	7 4167	445 00000	0 053	36 23	3 08E-01	2 07
460 000	-0 053	7 7500	7 7500	465 00000	0 053	36 23	3 08E-01	2 07
480 000	-0 053	8 0833	8 0833	485 00000	0 053	36 23	3 08E-01	2 07
500 000	-0 056	8 4167	8 4167	505 00000	0 056	36 23	3 25E-01	2 09
520 000	-0 056	8 7500	8 7500	525 00000	0 056	36 23	3 25E-01	2 09
540 000	-0 056	9 0833	9 0833	545 00000	0 056	36 23	3 25E-01	2 09
560 000	-0 060	9 4167	9 4167	565 00000	0 060	36 22	3 48E-01	2 11

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
580 000	-0 060	9 7500	585 00000	0 060	36 22	3 48E-01	2 11	
600 000	-0 060	10 0833	605 00000	0 060	36 22	3 48E-01	2 11	
620 000	-0 060	10 4167	625 00000	0 060	36 22	3 48E-01	2 11	
640 000	-0 060	10 7500	645 00000	0 060	36 22	3 48E-01	2 11	
660 000	-0 060	11 0833	665 00000	0 060	36 22	3 48E-01	2 11	
680 000	-0 063	11 4167	685 00000	0 063	36 22	3 66E-01	2 13	
700 000	-0 063	11 7500	705 00000	0 063	36 22	3 66E-01	2 13	
720 000	-0 063	12 0833	725 00000	0 063	36 22	3 66E-01	2 13	
740 000	-0 063	12 4167	745 00000	0 063	36 22	3 66E-01	2 13	
760 000	-0 063	12 7500	765 00000	0 063	36 22	3 66E-01	2 13	
780 000	-0 063	13 0833	785 00000	0 063	36 22	3 66E-01	2 13	
800 000	-0 063	13 4167	805 00000	0 063	36 22	3 66E-01	2 13	
820 000	-0 063	13 7500	825 00000	0 063	36 22	3 66E-01	2 13	
840 000	-0 066	14 0833	845 00000	0 066	36 22	3 83E-01	2 15	
860 000	-0 066	14 4167	865 00000	0 066	36 22	3 83E-01	2 15	
880 000	-0 066	14 7500	885 00000	0 066	36 22	3 83E-01	2.15	
900 000	-0 066	15 0833	905 00000	0 066	36 22	3 83E-01	2 15	
920 000	-0 066	15 4167	925 00000	0 066	36 22	3 83E-01	2 15	
940 000	-0 066	15 7500	945 00000	0 066	36 22	3 83E-01	2 15	
960 000	-0 066	16 0833	965 00000	0 066	36 22	3 83E-01	2 15	
980 000	-0 066	16 4167	985 00000	0 066	36 22	3 83E-01	2 15	
1000 000	-0 063	16 7500	1005 00000	0 063	36 22	3 66E-01	2 13	
1200 000	-0 060	20 0833	1205 00000	0 060	36 22	3 48E-01	2 11	
1400 000	-0 063	23 4167	1405 00000	0 063	36 22	3 66E-01	2 13	
1600 000	-0 066	26 7500	1605 00000	0 066	36 22	3 83E-01	2 15	
1800 000	-0 069	30 0833	1805 00000	0 069	36 21	4 01E-01	2 17	
2000 000	-0 072	33 4167	2005 00000	0 072	36 21	4 18E-01	2 18	
2200 000	-0 069	36 7500	2205 00000	0 069	36 21	4 01E-01	2 17	
2400 000	-0 097	40 0833	2405 00000	0 097	36 19	5 63E-01	2 33	
2600 000	-0 097	43 4167	2605 00000	0 097	36 19	5 63E-01	2 33	
2800 000	-0 113	46 7500	2805 00000	0 113	36 17	6 56E-01	2 42	
3000 000	-0 126	50 0833	3005 00000	0 126	36 16	7 32E-01	2 50	
3200 000	-0 139	53 4167	3205 00000	0 139	36 14	8 07E-01	2 57	
3400 000	-0 148	56 7500	3405 00000	0 148	36 13	8 60E-01	2 63	
3600 000	-0 173	60 0833	3605 00000	0 173	36 11	1 00E+00	2 77	
3800 000	-0 192	63 4167	3805 00000	0 192	36 09	1 12E+00	2 88	
4000 000	-0 192	66 7500	4005 00000	0 192	36 09	1 12E+00	2 88	
4200 000	-0 211	70 0833	4205 00000	0 211	36 07	1 23E+00	2 99	
4400 000	-0 243	73 4167	4405 00000	0 243	36 04	1 41E+00	3 18	
4600 000	-0 271	76 7500	4605 00000	0 271	36 01	1 57E+00	3 34	
4800 000	-0 290	80 0833	4805 00000	0 290	35 99	1 68E+00	3 45	
5000 000	-0 312	83 4167	5005 00000	0 312	35 97	1 81E+00	3 58	
5200 000	-0 334	86 7500	5205 00000	0 334	35 95	1 94E+00	3 71	
5400 000	-0 344	90 0833	5405 00000	0 344	35 94	2 00E+00	3 76	
5600 000	-0 363	93 4167	5605 00000	0 363	35 92	2 11E+00	3 87	
5800 000	-0 391	96 7500	5805 00000	0 391	35 89	2 27E+00	4 04	
6000 000	-0 423	100 0833	6005 00000	0 423	35 86	2 46E+00	4 22	
6200 000	-0 442	103 4167	6205 00000	0 442	35 84	2 57E+00	4 33	
6400 000	-0 464	106 7500	6405 00000	0 464	35 82	2 69E+00	4 46	
6600 000	-0 486	110 0833	6605 00000	0 486	35 80	2 82E+00	4 59	
6800 000	-0 496	113 4167	6805 00000	0 496	35 79	2 88E+00	4 65	
7000 000	0 502	116 7500	7005 00000	0 502	35 78	2 92E+00	4 68	
7200 000	-0 524	120 0833	7205 00000	0 524	35 76	3 04E+00	4 81	
7400 000	-0 537	123 4167	7405 00000	0 537	35 75	3 12E+00	4 88	
7600 000	-0 552	126 7500	7605 00000	0 552	35 73	3 21E+00	4 97	
7800 000	-0 565	130 0833	7805 00000	0 565	35 72	3 28E+00	5 05	
8000 000	-0 584	133 4167	8005 00000	0 584	35 70	3 39E+00	5 16	
8200 000	-0 584	136 7500	8205 00000	0 584	35 70	3 39E+00	5 16	
8400 000	-0 584	140 0833	8405 00000	0 584	35 70	3 39E+00	5 16	
8600 000	-0 603	143 4167	8605 00000	0 603	35 68	3 50E+00	5 27	
8800 000	-0 625	146 7500	8805 00000	0 625	35 66	3 63E+00	5 40	
9000 000	-0 638	150 0833	9005 00000	0 638	35 64	3 71E+00	5 47	
9200 000	-0 650	153 4167	9205 00000	0 650	35 63	3 78E+00	5 54	
9400 000	-0 666	156 7500	9405 00000	0 666	35 62	3 87E+00	5 63	
9600 000	-0 682	160 0833	9605 00000	0 682	35 60	3 96E+00	5 73	

Well No. 06491

Measured recovery after sampling

Date: 25-Aug-94

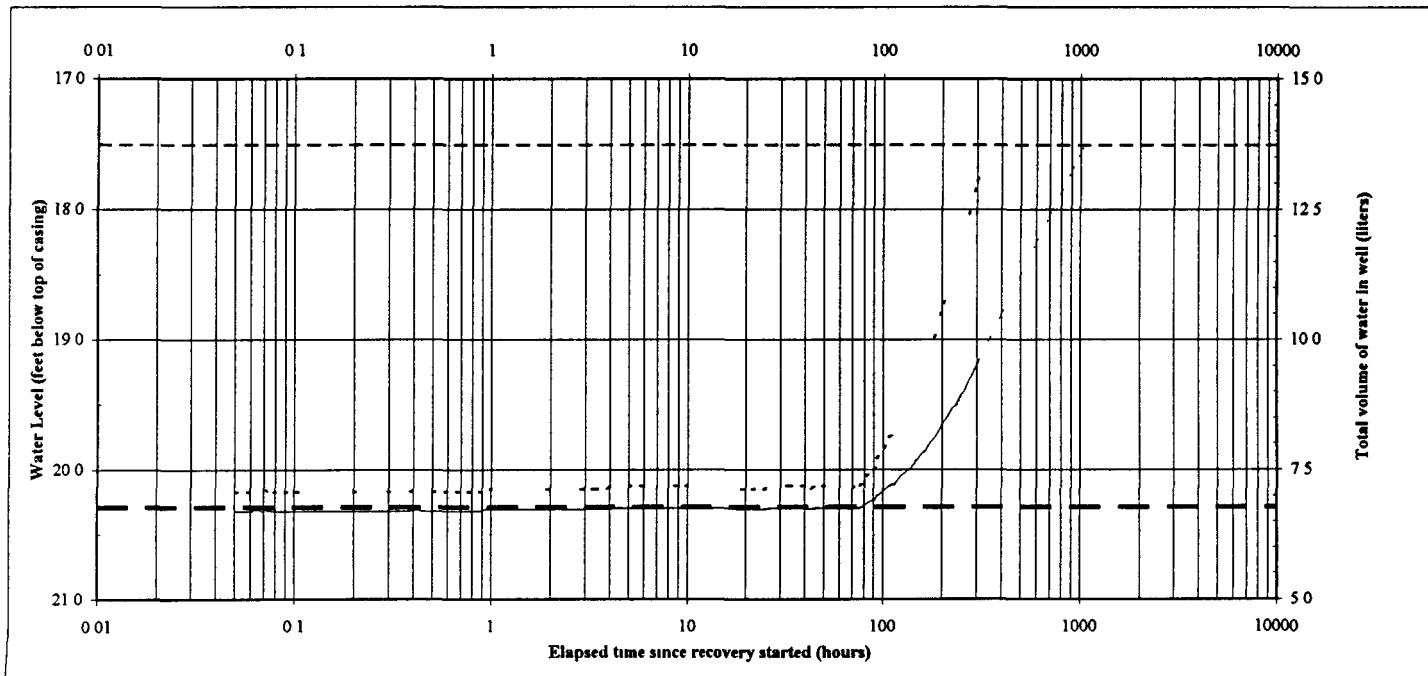
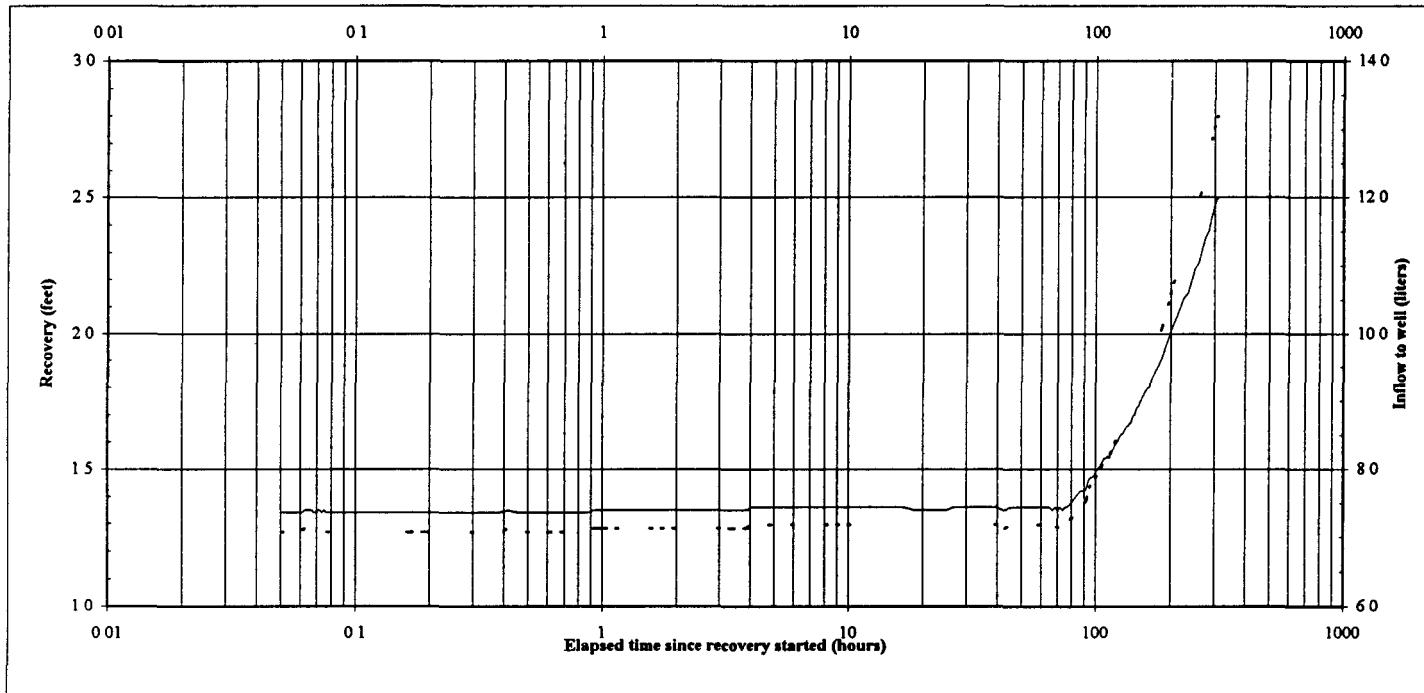
3rd quarter 1994

Water Level

Volume

Extrapolation to 100% recovery

Pre-sampling
Static Water Level
Bottom of well



Well No

06491

Date Sampled

3rd quarter
25-Aug-94

A data collection problem causes the transducer reference depth to be below the bottom of the well. This causes the volume remaining in the casing after purging to appear negative. The assumption has therefore been made that the volume remaining was zero.

Final bail time	15.18	Delay	3 00	Minutes
Set transducer time	15.21			
Static water level (pre-sampling)	17.5	feet below top of casing		
Final water level (post-recovery)	19.2	feet below top of casing		
Last recorded water level	-2.5	feet below transducer		
Transducer reference depth	21.7	feet below top of casing		
Bottom of well	20.3	feet below top of casing		
First recorded water level	+1.3	feet below transducer		
First recorded water level	20.3	feet below top of casing		
Water column remaining in casing after purging	0.0	feet		
Volume remaining in casing after purging	0.0	liters		
Well diameter	9.5	inches	0.792	feet
Well radius	4.8	inches	0.396	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.9	inches	0.244	feet
Top of sandpack	10.4	feet below top of casing		
			0.62	liters/foot
			5.28	liters/foot

Input data

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-1.340	0 0500	3 00000	1 340	20 32		
0 003	-1.340	0 0501	3 00330	1 340	20 32	7 08E+00	7 08
0 007	-1.340	0 0501	3 00660	1 340	20 32	7 08E+00	7 08
0 010	-1.340	0 0502	3 00990	1 340	20 32	7 08E+00	7 08
0 013	-1.340	0 0502	3 01330	1 340	20 32	7 08E+00	7 08
0 017	-1.340	0 0503	3 01660	1 340	20 32	7 08E+00	7 08
0 020	-1.340	0 0503	3 02000	1 340	20 32	7 08E+00	7 08
0 023	-1.340	0 0504	3 02330	1 340	20 32	7 08E+00	7 08
0 027	-1.340	0 0504	3 02660	1 340	20 32	7 08E+00	7 08
0 030	-1.340	0 0505	3 03000	1 340	20 32	7 08E+00	7 08
0 033	-1.340	0 0506	3 03330	1 340	20 32	7 08E+00	7 08
0 050	-1.340	0 0508	3 05000	1 340	20 32	7 08E+00	7 08
0 067	-1.340	0 0511	3 06660	1 340	20 32	7 08E+00	7 08
0 083	-1.340	0 0514	3 08330	1 340	20 32	7 08E+00	7 08
0 100	-1.340	0 0517	3 10000	1 340	20 32	7 08E+00	7 08
0 117	-1.340	0 0519	3 11660	1 340	20 32	7 08E+00	7 08
0 133	-1.340	0 0522	3 13330	1 340	20 32	7 08E+00	7 08
0 150	-1.340	0 0525	3 15000	1 340	20 32	7 08E+00	7 08
0 167	-1.340	0 0528	3 16660	1 340	20 32	7 08E+00	7 08
0 183	-1.340	0 0531	3 18330	1 340	20 32	7 08E+00	7 08
0 200	-1.340	0 0533	3 20000	1 340	20 32	7 08E+00	7 08
0 217	-1.340	0 0536	3 21660	1 340	20 32	7 08E+00	7 08
0 233	-1.340	0 0539	3 23330	1 340	20 32	7 08E+00	7 08
0 250	-1.340	0 0542	3 25000	1 340	20 32	7 08E+00	7 08
0 267	-1.340	0 0544	3 26660	1 340	20 32	7 08E+00	7 08
0 283	-1.340	0 0547	3 28330	1 340	20 32	7 08E+00	7 08
0 300	-1.340	0 0550	3 30000	1 340	20 32	7 08E+00	7 08
0 317	-1.340	0 0553	3 31660	1 340	20 32	7 08E+00	7 08
0 333	-1.340	0 0556	3 33330	1 340	20 32	7 08E+00	7 08
0 417	-1.340	0 0569	3 41670	1 340	20 32	7 08E+00	7 08
0 500	-1.340	0 0583	3 50000	1 340	20 32	7 08E+00	7 08
0 583	-1.340	0 0597	3 58330	1 340	20 32	7 08E+00	7 08
0 667	-1.340	0 0611	3 66670	1 340	20 32	7 08E+00	7 08
0 750	-1.350	0 0625	3 75000	1 350	20 31	7 13E+00	7 13
0 833	-1.350	0 0639	3 83330	1 350	20 31	7 13E+00	7 13
0 917	-1.350	0 0653	3 91670	1 350	20 31	7 13E+00	7 13
1 000	-1.350	0 0667	4 00000	1 350	20 31	7 13E+00	7 13
1 083	-1.340	0 0681	4 08330	1 340	20 32	7 08E+00	7 08

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
1 167		-1 340	0 0694	4 16670	1 340	20 32	7 08E+00	7 08
1 250		-1 350	0 0708	4 25000	1 350	20 31	7 13E+00	7 13
1 333		-1 350	0 0722	4 33330	1 350	20 31	7 13E+00	7 13
1 417		-1 340	0 0736	4 41660	1 340	20 32	7 08E+00	7 08
1 500		-1 350	0 0750	4 50000	1 350	20 31	7 13E+00	7 13
1 583		-1 340	0 0764	4 58330	1 340	20 32	7 08E+00	7 08
1 667		-1 340	0 0778	4 66670	1 340	20 32	7 08E+00	7 08
1 750		-1 340	0 0792	4 75000	1 340	20 32	7 08E+00	7 08
1 833		-1 340	0 0806	4 83330	1 340	20 32	7 08E+00	7 08
1 917		-1 340	0 0819	4 91670	1 340	20 32	7 08E+00	7 08
2 000		-1 340	0 0833	5 00000	1 340	20 32	7 08E+00	7 08
2 500		-1 340	0 0917	5 50000	1 340	20 32	7 08E+00	7 08
3 000		-1 340	0 1000	6 00000	1 340	20 32	7 08E+00	7 08
3 500		-1 340	0 1083	6 50000	1 340	20 32	7 08E+00	7 08
4 000		-1 340	0 1167	7 00000	1 340	20 32	7 08E+00	7 08
4 500		-1 340	0 1250	7 50000	1 340	20 32	7 08E+00	7 08
5 000		-1 340	0 1333	8 00000	1 340	20 32	7 08E+00	7 08
5 500		-1 340	0 1417	8 50000	1 340	20 32	7 08E+00	7 08
6 000		-1 340	0 1500	9 00000	1 340	20 32	7 08E+00	7 08
6 500		-1 340	0 1583	9 50000	1 340	20 32	7 08E+00	7 08
7 000		-1 340	0 1667	10 00000	1 340	20 32	7 08E+00	7 08
7 500		-1 340	0 1750	10 50000	1 340	20 32	7 08E+00	7 08
8 000		-1 340	0 1833	11 00000	1 340	20 32	7 08E+00	7 08
8 500		-1 340	0 1917	11 50000	1 340	20 32	7 08E+00	7 08
9 000		-1 340	0 2000	12 00000	1 340	20 32	7 08E+00	7 08
9 500		-1 340	0 2083	12 50000	1 340	20 32	7 08E+00	7 08
10 000		-1 340	0 2167	13 00000	1 340	20 32	7 08E+00	7 08
12 000		-1 340	0 2500	15 00000	1 340	20 32	7 08E+00	7 08
14 000		-1 340	0 2833	17 00000	1 340	20 32	7 08E+00	7 08
16 000		-1 340	0 3167	19 00000	1 340	20 32	7 08E+00	7 08
18 000		-1 340	0 3500	21 00000	1 340	20 32	7 08E+00	7 08
20 000		-1 340	0 3833	23 00000	1 340	20 32	7 08E+00	7 08
22 000		-1 350	0 4167	25 00000	1 350	20 31	7 13E+00	7 13
24 000		-1 340	0 4500	27 00000	1 340	20 32	7 08E+00	7 08
26 000		-1 340	0 4833	29 00000	1 340	20 32	7 08E+00	7 08
28 000		-1 340	0 5167	31 00000	1 340	20 32	7 08E+00	7 08
30 000		-1 340	0 5500	33 00000	1 340	20 32	7 08E+00	7 08
32 000		-1 340	0 5833	35 00000	1 340	20 32	7 08E+00	7 08
34 000		-1 340	0 6167	37 00000	1 340	20 32	7 08E+00	7 08
36 000		-1 340	0 6500	39 00000	1 340	20 32	7 08E+00	7 08
38 000		-1 340	0 6833	41 00000	1 340	20 32	7 08E+00	7 08
40 000		-1 340	0 7167	43 00000	1 340	20 32	7 08E+00	7 08
42 000		-1 340	0 7500	45 00000	1 340	20 32	7 08E+00	7 08
44 000		-1 340	0 7833	47 00000	1 340	20 32	7 08E+00	7 08
46 000		-1 340	0 8167	49 00000	1 340	20 32	7 08E+00	7 08
48 000		-1 340	0 8500	51 00000	1 340	20 32	7 08E+00	7 08
50 000		-1 340	0 8833	53 00000	1 340	20 32	7 08E+00	7 08
52 000		-1 350	0 9167	55 00000	1 350	20 31	7 13E+00	7 13
54 000		-1 350	0 9500	57 00000	1 350	20 31	7 13E+00	7 13
56 000		1 350	0 9833	59 00000	1 350	20 31	7 13E+00	7 13
58 000		-1 350	1 0167	61 00000	1 350	20 31	7 13E+00	7 13
60 000		-1 350	1 0500	63 00000	1 350	20 31	7 13E+00	7 13
62 000		-1 350	1 0833	65 00000	1 350	20 31	7 13E+00	7 13
64 000		-1 350	1 1167	67 00000	1 350	20 31	7 13E+00	7 13
66 000		1 350	1 1500	69 00000	1 350	20 31	7 13E+00	7 13
68 000		-1 350	1 1833	71 00000	1 350	20 31	7 13E+00	7 13
70 000		-1 350	1 2167	73 00000	1 350	20 31	7 13E+00	7 13
72 000		-1 350	1 2500	75 00000	1 350	20 31	7 13E+00	7 13
74 000		-1 350	1 2833	77 00000	1 350	20 31	7 13E+00	7 13
76 000		-1 350	1 3167	79 00000	1 350	20 31	7 13E+00	7 13
78 000		-1 350	1 3500	81 00000	1 350	20 31	7 13E+00	7 13
80 000		-1 350	1 3833	83 00000	1 350	20 31	7 13E+00	7 13
82 000		-1 350	1 4167	85 00000	1 350	20 31	7 13E+00	7 13
84 000		-1 350	1 4500	87 00000	1 350	20 31	7 13E+00	7 13
86 000		-1 350	1 4833	89 00000	1 350	20 31	7 13E+00	7 13
88 000		-1 350	1 5167	91 00000	1 350	20 31	7 13E+00	7 13
90 000		-1 350	1 5500	93 00000	1 350	20 31	7 13E+00	7 13
92 000		-1 350	1 5833	95 00000	1 350	20 31	7 13E+00	7 13
94 000		1 350	1 6167	97 00000	1 350	20 31	7 13E+00	7 13
96 000		-1 350	1 6500	99 00000	1 350	20 31	7 13E+00	7 13
98 000		-1 350	1 6833	101 00000	1 350	20 31	7 13E+00	7 13
100 000		-1 350	1 7167	103 00000	1 350	20 31	7 13E+00	7 13

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
110 000	-1 350	1 8833	113 00000	1 350	20 31	7 13E+00	7 13	7 13
120 000	-1 350	2 0500	123 00000	1 350	20 31	7 13E+00	7 13	7 13
130 000	-1 350	2 2167	133 00000	1 350	20 31	7 13E+00	7 13	7 13
140 000	-1 350	2 3833	143 00000	1 350	20 31	7 13E+00	7 13	7 13
150 000	-1 350	2 5500	153 00000	1 350	20 31	7 13E+00	7 13	7 13
160 000	-1 350	2 7167	163 00000	1 350	20 31	7 13E+00	7 13	7 13
170 000	-1 350	2 8833	173 00000	1 350	20 31	7 13E+00	7 13	7 13
180 000	-1 350	3 0500	183 00000	1 350	20 31	7 13E+00	7 13	7 13
190 000	-1 350	3 2167	193 00000	1 350	20 31	7 13E+00	7 13	7 13
200 000	-1 350	3 3833	203 00000	1 350	20 31	7 13E+00	7 13	7 13
210 000	-1 350	3 5500	213 00000	1 350	20 31	7 13E+00	7 13	7 13
220 000	-1 350	3 7167	223 00000	1 350	20 31	7 13E+00	7 13	7 13
230 000	-1 350	3 8833	233 00000	1 350	20 31	7 13E+00	7 13	7 13
240 000	-1 360	4 0500	243 00000	1 360	20 30	7 18E+00	7 18	7 18
250 000	-1 360	4 2167	253 00000	1 360	20 30	7 18E+00	7 18	7 18
260 000	-1 360	4 3833	263 00000	1 360	20 30	7 18E+00	7 18	7 18
270 000	-1 360	4 5500	273 00000	1 360	20 30	7 18E+00	7 18	7 18
280 000	-1 360	4 7167	283 00000	1 360	20 30	7 18E+00	7 18	7 18
290 000	-1 360	4 8833	293 00000	1 360	20 30	7 18E+00	7 18	7 18
300 000	-1 360	5 0500	303 00000	1 360	20 30	7 18E+00	7 18	7 18
310 000	-1 360	5 2167	313 00000	1 360	20 30	7 18E+00	7 18	7 18
320 000	-1 360	5 3833	323 00000	1 360	20 30	7 18E+00	7 18	7 18
330 000	-1 360	5 5500	333 00000	1 360	20 30	7 18E+00	7 18	7 18
340 000	-1 360	5 7167	343 00000	1 360	20 30	7 18E+00	7 18	7 18
350 000	-1 360	5 8833	353 00000	1 360	20 30	7 18E+00	7 18	7 18
360 000	-1 360	6 0500	363 00000	1 360	20 30	7 18E+00	7 18	7 18
370 000	1 360	6 2167	373 00000	1 360	20 30	7 18E+00	7 18	7 18
380 000	-1 360	6 3833	383 00000	1 360	20 30	7 18E+00	7 18	7 18
390 000	-1 360	6 5500	393 00000	1 360	20 30	7 18E+00	7 18	7 18
400 000	-1 360	6 7167	403 00000	1 360	20 30	7 18E+00	7 18	7 18
410 000	-1 360	6 8833	413 00000	1 360	20 30	7 18E+00	7 18	7 18
420 000	-1 360	7 0500	423 00000	1 360	20 30	7 18E+00	7 18	7 18
430 000	-1 360	7 2167	433 00000	1 360	20 30	7 18E+00	7 18	7 18
440 000	-1 360	7 3833	443 00000	1 360	20 30	7 18E+00	7 18	7 18
450 000	-1 360	7 5500	453 00000	1 360	20 30	7 18E+00	7 18	7 18
460 000	-1 360	7 7167	463 00000	1 360	20 30	7 18E+00	7 18	7 18
470 000	-1 360	7 8833	473 00000	1 360	20 30	7 18E+00	7 18	7 18
480 000	-1 360	8 0500	483 00000	1 360	20 30	7 18E+00	7 18	7 18
490 000	-1 360	8 2167	493 00000	1 360	20 30	7 18E+00	7 18	7 18
500 000	-1 360	8 3833	503 00000	1 360	20 30	7 18E+00	7 18	7 18
510 000	-1 360	8 5500	513 00000	1 360	20 30	7 18E+00	7 18	7 18
520 000	-1 360	8 7167	523 00000	1 360	20 30	7 18E+00	7 18	7 18
530 000	-1 360	8 8833	533 00000	1 360	20 30	7 18E+00	7 18	7 18
540 000	-1 360	9 0500	543 00000	1 360	20 30	7 18E+00	7 18	7 18
550 000	-1 360	9 2167	553 00000	1 360	20 30	7 18E+00	7 18	7 18
560 000	-1 360	9 3833	563 00000	1 360	20 30	7 18E+00	7 18	7 18
570 000	-1 360	9 5500	573 00000	1 360	20 30	7 18E+00	7 18	7 18
580 000	-1 360	9 7167	583 00000	1 360	20 30	7 18E+00	7 18	7 18
590 000	-1 360	9 8833	593 00000	1 360	20 30	7 18E+00	7 18	7 18
600 000	-1 360	10 0500	603 00000	1 360	20 30	7 18E+00	7 18	7 18
610 000	-1 360	10 2167	613 00000	1 360	20 30	7 18E+00	7 18	7 18
620 000	-1 360	10 3833	623 00000	1 360	20 30	7 18E+00	7 18	7 18
630 000	-1 360	10 5500	633 00000	1 360	20 30	7 18E+00	7 18	7 18
640 000	-1 360	10 7167	643 00000	1 360	20 30	7 18E+00	7 18	7 18
650 000	-1 360	10 8833	653 00000	1 360	20 30	7 18E+00	7 18	7 18
660 000	-1 360	11 0500	663 00000	1 360	20 30	7 18E+00	7 18	7 18
670 000	-1 360	11 2167	673 00000	1 360	20 30	7 18E+00	7 18	7 18
680 000	-1 360	11 3833	683 00000	1 360	20 30	7 18E+00	7 18	7 18
690 000	-1 360	11 5500	693 00000	1 360	20 30	7 18E+00	7 18	7 18
700 000	-1 360	11 7167	703 00000	1 360	20 30	7 18E+00	7 18	7 18
710 000	-1 360	11 8833	713 00000	1 360	20 30	7 18E+00	7 18	7 18
720 000	-1 360	12 0500	723 00000	1 360	20 30	7 18E+00	7 18	7 18
730 000	-1 360	12 2167	733 00000	1 360	20 30	7 18E+00	7 18	7 18
740 000	-1 360	12 3833	743 00000	1 360	20 30	7 18E+00	7 18	7 18
750 000	-1 360	12 5500	753 00000	1 360	20 30	7 18E+00	7 18	7 18
760 000	-1 360	12 7167	763 00000	1 360	20 30	7 18E+00	7 18	7 18
770 000	-1 360	12 8833	773 00000	1 360	20 30	7 18E+00	7 18	7 18
780 000	-1 360	13 0500	783 00000	1 360	20 30	7 18E+00	7 18	7 18
790 000	-1 360	13 2167	793 00000	1 360	20 30	7 18E+00	7 18	7 18
800 000	1 360	13 3833	803 00000	1 360	20 30	7 18E+00	7 18	7 18
810 000	-1 360	13 5500	813 00000	1 360	20 30	7 18E+00	7 18	7 18
820 000	1 360	13 7167	823 00000	1 360	20 30	7 18E+00	7 18	7 18

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
830 000	-1 360	13 8833		833 00000	1 360	20 30		7 18E+00	7 18
840 000	-1 360	14 0500		843 00000	1 360	20 30		7 18E+00	7 18
850 000	-1 360	14 2167		853 00000	1 360	20 30		7 18E+00	7 18
860 000	-1 360	14 3833		863 00000	1 360	20 30		7 18E+00	7 18
870 000	-1 360	14 5500		873 00000	1 360	20 30		7 18E+00	7 18
880 000	-1 360	14 7167		883 00000	1 360	20 30		7 18E+00	7 18
890 000	-1 360	14 8833		893 00000	1 360	20 30		7 18E+00	7 18
900 000	-1 360	15 0500		903 00000	1 360	20 30		7 18E+00	7 18
910 000	-1 360	15 2167		913 00000	1 360	20 30		7 18E+00	7 18
920 000	-1 360	15 3833		923 00000	1 360	20 30		7 18E+00	7 18
930 000	-1 360	15 5500		933 00000	1 360	20 30		7 18E+00	7 18
940 000	-1 360	15 7167		943 00000	1 360	20 30		7 18E+00	7 18
950 000	-1 360	15 8833		953 00000	1 360	20 30		7 18E+00	7 18
960 000	-1 360	16 0500		963 00000	1 360	20 30		7 18E+00	7 18
970 000	-1 360	16 2167		973 00000	1 360	20 30		7 18E+00	7 18
980 000	-1 360	16 3833		983 00000	1 360	20 30		7 18E+00	7 18
990 000	-1 360	16 5500		993 00000	1 360	20 30		7 18E+00	7 18
1000 000	-1 360	16 7167		1003 00000	1 360	20 30		7 18E+00	7 18
1100 000	-1 350	18 3833		1103 00000	1 350	20 31		7 13E+00	7 13
1200 000	-1 350	20 0500		1203 00000	1 350	20 31		7 13E+00	7 13
1300 000	-1 350	21 7167		1303 00000	1 350	20 31		7 13E+00	7 13
1400 000	-1 350	23 3833		1403 00000	1 350	20 31		7 13E+00	7 13
1500 000	-1 350	25 0500		1503 00000	1 350	20 31		7 13E+00	7 13
1600 000	-1 360	26 7167		1603 00000	1 360	20 30		7 18E+00	7 18
1700 000	-1 360	28 3833		1703 00000	1 360	20 30		7 18E+00	7 18
1800 000	-1 360	30 0500		1803 00000	1 360	20 30		7 18E+00	7 18
1900 000	1 360	31 7167		1903 00000	1 360	20 30		7 18E+00	7 18
2000 000	-1 360	33 3833		2003 00000	1 360	20 30		7 18E+00	7 18
2100 000	-1 360	35 0500		2103 00000	1 360	20 30		7 18E+00	7 18
2200 000	-1 360	36 7167		2203 00000	1 360	20 30		7 18E+00	7 18
2300 000	-1 360	38 3833		2303 00000	1 360	20 30		7 18E+00	7 18
2400 000	-1 360	40 0500		2403 00000	1 360	20 30		7 18E+00	7 18
2500 000	-1 350	41 7167		2503 00000	1 350	20 31		7 13E+00	7 13
2600 000	-1 350	43 3833		2603 00000	1 350	20 31		7 13E+00	7 13
2700 000	-1 360	45 0500		2703 00000	1 360	20 30		7 18E+00	7 18
2800 000	-1 360	46 7167		2803 00000	1 360	20 30		7 18E+00	7 18
2900 000	-1 360	48 3833		2903 00000	1 360	20 30		7 18E+00	7 18
3000 000	-1 360	50 0500		3003 00000	1 360	20 30		7 18E+00	7 18
3100 000	-1 360	51 7167		3103 00000	1 360	20 30		7 18E+00	7 18
3200 000	-1 360	53 3833		3203 00000	1 360	20 30		7 18E+00	7 18
3300 000	-1 360	55 0500		3303 00000	1 360	20 30		7 18E+00	7 18
3400 000	-1 360	56 7167		3403 00000	1 360	20 30		7 18E+00	7 18
3500 000	-1 360	58 3833		3503 00000	1 360	20 30		7 18E+00	7 18
3600 000	-1 360	60 0500		3603 00000	1 360	20 30		7 18E+00	7 18
3700 000	-1 360	61 7167		3703 00000	1 360	20 30		7 18E+00	7 18
3800 000	-1 360	63 3833		3803 00000	1 360	20 30		7 18E+00	7 18
3900 000	1 360	65 0500		3903 00000	1 360	20 30		7 18E+00	7 18
4000 000	-1 350	66 7167		4003 00000	1 350	20 31		7 13E+00	7 13
4100 000	-1 360	68 3833		4103 00000	1 360	20 30		7 18E+00	7 18
4200 000	-1 350	70 0500		4203 00000	1 350	20 31		7 13E+00	7 13
4300 000	-1 360	71 7167		4303 00000	1 360	20 30		7 18E+00	7 18
4400 000	-1 350	73 3833		4403 00000	1 350	20 31		7 13E+00	7 13
4500 000	-1 360	75 0500		4503 00000	1 360	20 30		7 18E+00	7 18
4600 000	-1 360	76 7167		4603 00000	1 360	20 30		7 18E+00	7 18
4700 000	-1 370	78 3833		4703 00000	1 370	20 29		7 23E+00	7 23
4800 000	-1 380	80 0500		4803 00000	1 380	20 28		7 29E+00	7 29
4900 000	-1 390	81 7167		4903 00000	1 390	20 27		7 34E+00	7 34
5000 000	-1 400	83 3833		5003 00000	1 400	20 26		7 39E+00	7 39
5100 000	1 410	85 0500		5103 00000	1 410	20 25		7 45E+00	7 45
5200 000	-1 420	86 7167		5203 00000	1 420	20 24		7 50E+00	7 50
5300 000	-1 420	88 3833		5303 00000	1 420	20 24		7 50E+00	7 50
5400 000	-1 420	90 0500		5403 00000	1 420	20 24		7 50E+00	7 50
5500 000	-1 430	91 7167		5503 00000	1 430	20 23		7 55E+00	7 55
5600 000	-1 460	93 3833		5603 00000	1 460	20 20		7 71E+00	7 71
5700 000	-1 470	95 0500		5703 00000	1 470	20 19		7 76E+00	7 76
5800 000	-1 470	96 7167		5803 00000	1 470	20 19		7 76E+00	7 76
5900 000	1 480	98 3833		5903 00000	1 480	20 18		7 82E+00	7 82
6000 000	-1 490	100 0500		6003 00000	1 490	20 17		7 87E+00	7 87
6100 000	-1 500	101 7167		6103 00000	1 500	20 16		7 92E+00	7 92
6200 000	-1 510	103 3833		6203 00000	1 510	20 15		7 97E+00	7 97
6300 000	-1 520	105 0500		6303 00000	1 520	20 14		8 03E+00	8 03
6400 000	-1 530	106 7167		6403 00000	1 530	20 13		8 08E+00	8 08

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
6500 000	-1 540	108 3833	6503 00000	1 540	20 12	8 13E+00	8 13	
6600 000	-1 540	110 0500	6603 00000	1 540	20 12	8 13E+00	8 13	
6700 000	-1 550	111 7167	6703 00000	1 550	20 11	8 19E+00	8 19	
6800 000	-1 540	113 3833	6803 00000	1 540	20 12	8 13E+00	8 13	
6900 000	-1 560	115 0500	6903 00000	1 560	20 10	8 24E+00	8 24	
7000 000	-1 570	116 7167	7003 00000	1 570	20 09	8 29E+00	8 29	
7100 000	-1 580	118 3833	7103 00000	1 580	20 08	8 34E+00	8 34	
7200 000	-1 590	120 0500	7203 00000	1 590	20 07	8 40E+00	8 40	
7300 000	-1 600	121 7167	7303 00000	1 600	20 06	8 45E+00	8 45	
7400 000	-1 610	123 3833	7403 00000	1 610	20 05	8 50E+00	8 50	
7500 000	-1 620	125 0500	7503 00000	1 620	20 04	8 55E+00	8 55	
7600 000	-1 630	126 7167	7603 00000	1 630	20 03	8 61E+00	8 61	
7700 000	-1 630	128 3833	7703 00000	1 630	20 03	8 61E+00	8 61	
7800 000	-1 640	130 0500	7803 00000	1 640	20 02	8 66E+00	8 66	
7900 000	-1 650	131 7167	7903 00000	1 650	20 01	8 71E+00	8 71	
8000 000	1 660	133 3833	8003 00000	1 660	20 00	8 77E+00	8 77	
8100 000	-1 660	135 0500	8103 00000	1 660	20 00	8 77E+00	8 77	
8200 000	-1 670	136 7167	8203 00000	1 670	19 99	8 82E+00	8 82	
8300 000	-1 670	138 3833	8303 00000	1 670	19 99	8 82E+00	8 82	
8400 000	-1 690	140 0500	8403 00000	1 690	19 97	8 92E+00	8 92	
8500 000	-1 700	141 7167	8503 00000	1 700	19 96	8 98E+00	8 98	
8600 000	-1 700	143 3833	8603 00000	1 700	19 96	8 98E+00	8 98	
8700 000	-1 720	145 0500	8703 00000	1 720	19 94	9 08E+00	9 08	
8800 000	-1 730	146 7167	8803 00000	1 730	19 93	9 14E+00	9 14	
8900 000	-1 730	148 3833	8903 00000	1 730	19 93	9 14E+00	9 14	
9000 000	-1 740	150 0500	9003 00000	1 740	19 92	9 19E+00	9 19	
9100 000	-1 750	151 7167	9103 00000	1 750	19 91	9 24E+00	9 24	
9200 000	-1 760	153 3833	9203 00000	1 760	19 90	9 29E+00	9 29	
9300 000	-1 770	155 0500	9303 00000	1 770	19 89	9 35E+00	9 35	
9400 000	-1 780	156 7167	9403 00000	1 780	19 88	9 40E+00	9 40	
9500 000	-1 790	158 3833	9503 00000	1 790	19 87	9 45E+00	9 45	
9600 000	-1 790	160 0500	9603 00000	1 790	19 87	9 45E+00	9 45	
9700 000	-1 800	161 7167	9703 00000	1 800	19 86	9 51E+00	9 51	
9800 000	-1 800	163 3833	9803 00000	1 800	19 86	9 51E+00	9 51	
9900 000	-1 810	165 0500	9903 00000	1 810	19 85	9 56E+00	9 56	
10000 000	-1 830	166 7167	10003 00000	1 830	19 83	9 66E+00	9 66	
10500 000	-1 870	175 0500	10503 00000	1 870	19 79	9 87E+00	9 87	
11000 000	-1 910	183 3833	11003 00000	1 910	19 75	1 01E+01	10 09	
11500 000	-1 960	191 7167	11503 00000	1 960	19 70	1 04E+01	10 35	
12000 000	-2 010	200 0500	12003 00000	2 010	19 65	1 06E+01	10 61	
12500 000	-2 050	208 3833	12503 00000	2 050	19 61	1 08E+01	10 83	
13000 000	-2 090	216 7167	13003 00000	2 090	19 57	1 10E+01	11 04	
13500 000	-2 130	225 0500	13503 00000	2 130	19 53	1 12E+01	11 25	
14000 000	-2 150	233 3833	14003 00000	2 150	19 51	1 14E+01	11 35	
14500 000	-2 200	241 7167	14503 00000	2 200	19 46	1 16E+01	11 62	
15000 000	-2 240	250 0500	15003 00000	2 240	19 42	1 18E+01	11 83	
15500 000	-2 260	258 3833	15503 00000	2 260	19 40	1 19E+01	11 93	
16000 000	-2 310	266 7167	16003 00000	2 310	19 35	1 22E+01	12 20	
16500 000	2 350	275 0500	16503 00000	2 350	19 31	1 24E+01	12 41	
17000 000	-2 380	283 3833	17003 00000	2 380	19 28	1 26E+01	12 57	
17500 000	-2 430	291 7167	17503 00000	2 430	19 23	1 28E+01	12 83	
18000 000	-2 470	300 0500	18003 00000	2 470	19 19	1 30E+01	13 04	
18500 000	-2 500	308 3833	18503 00000	2 500	19 16	1 32E+01	13 20	

Well No. 06691

Measured recovery after sampling

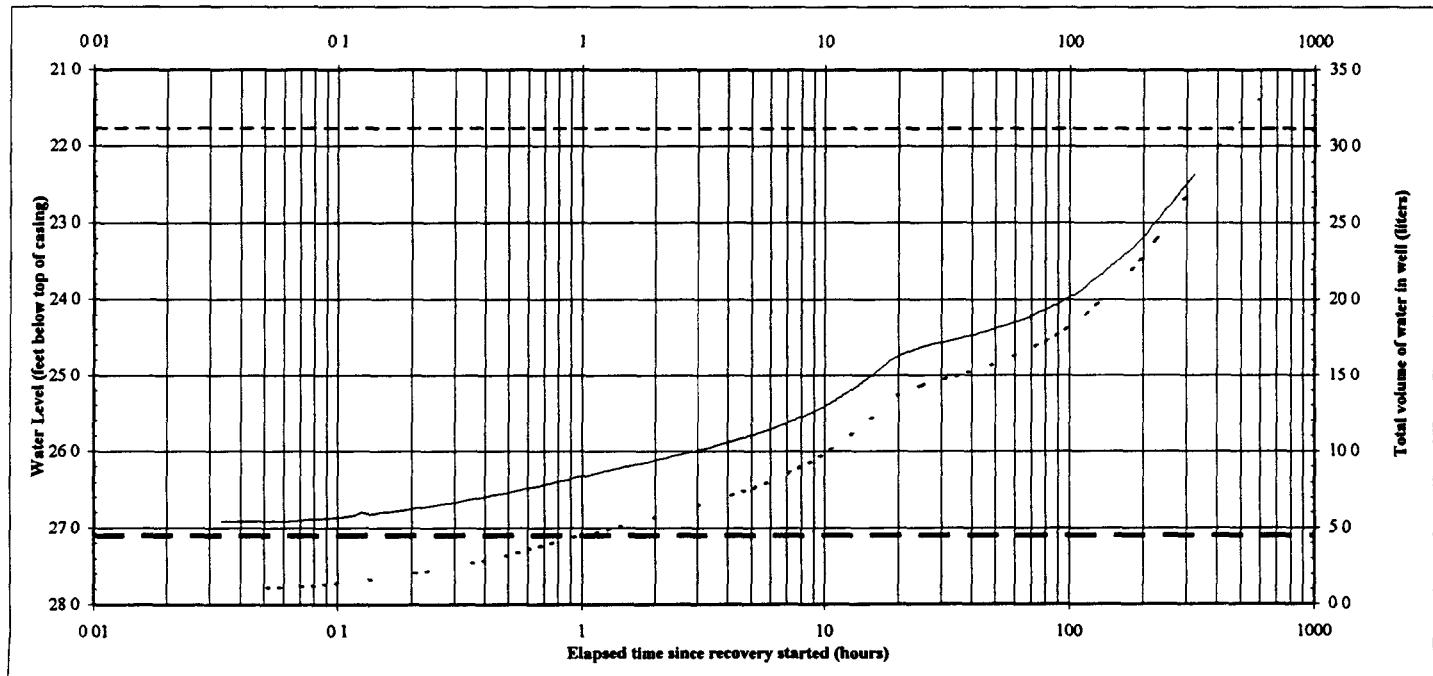
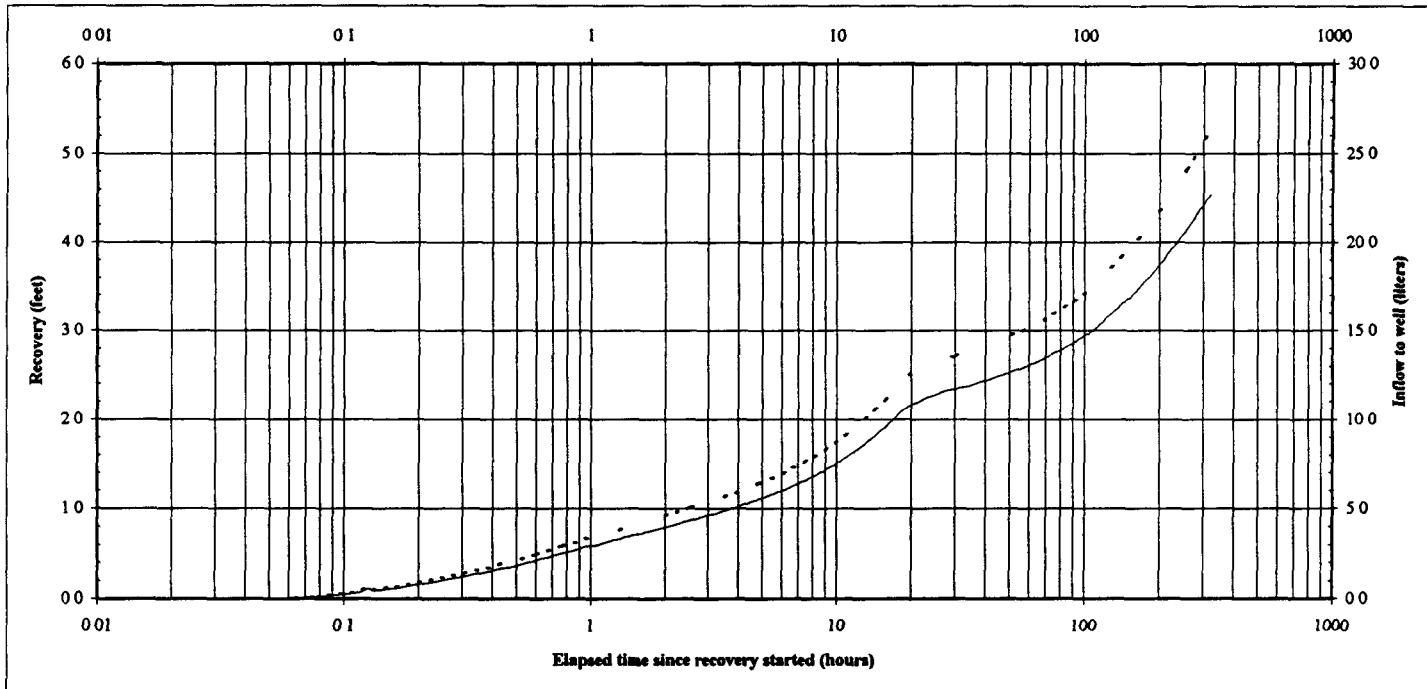
Date: 21-Jul-94

3rd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

06691

Date Sampled

3rd quarter

21-Jul-94

		Delay	2 00	Minutes
Final bail time	15:06			
Set transducer time	15:08			
Static water level (pre-sampling)	21.8	feet below top of casing		
Final water level (post-recovery)	22.4	feet below top of casing		
Last recorded water level	-4.6	feet below transducer		
Transducer Reference Depth	26.9	feet below top of casing		
Bottom of well	27.1	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	26.9	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.1	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	10.4	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 000	0 0333	2 00000	0 000	26 91	0 00E+00	1 10
0 003	0 000	0 0334	2.00330	0 000	26 91	0 00E+00	1 10
0 007	0 000	0 0334	2.00660	0 000	26 91	0 00E+00	1 10
0 010	0 000	0 0335	2.00990	0 000	26 91	0 00E+00	1 10
0 013	0 000	0 0336	2 01330	0 000	26 91	0 00E+00	1 10
0 017	0 000	0 0336	2 01660	0 000	26 91	0 00E+00	1 10
0 020	0 000	0 0337	2.02000	0 000	26 91	0 00E+00	1 10
0 023	0 000	0 0337	2.02330	0 000	26 91	0 00E+00	1 10
0 027	0 000	0 0338	2.02660	0 000	26 91	0 00E+00	1 10
0 030	0 000	0 0338	2.03000	0 000	26 91	0 00E+00	1 10
0 033	0 000	0 0339	2 03330	0 000	26 91	0 00E+00	1 10
0 050	0 000	0 0342	2 05000	0 000	26 91	0 00E+00	1 10
0 067	0 000	0 0344	2 06660	0 000	26 91	0 00E+00	1 10
0 083	-0 010	0 0347	2 08330	0 010	26 90	5.81E-02	1 16
0 100	0 000	0 0350	2 10000	0 000	26 91	0 00E+00	1 10
0 117	0 000	0 0353	2 11660	0 000	26 91	0 00E+00	1 10
0 133	0 000	0 0356	2 13330	0 000	26 91	0 00E+00	1 10
0 150	0 000	0 0358	2 15000	0 000	26 91	0 00E+00	1 10
0 167	0 000	0 0361	2 16660	0 000	26 91	0 00E+00	1 10
0 183	0 000	0 0364	2.18330	0 000	26 91	0 00E+00	1 10
0 200	0 000	0 0367	2 20000	0 000	26 91	0 00E+00	1 10
0 217	0 000	0 0369	2.21660	0 000	26 91	0 00E+00	1 10
0 233	0 000	0 0372	2 23330	0 000	26 91	0 00E+00	1 10
0 250	0 000	0 0375	2.25000	0 000	26 91	0 00E+00	1 10
0 267	0 000	0 0378	2 26660	0 000	26 91	0 00E+00	1 10
0 283	0 000	0 0381	2.28330	0 000	26 91	0 00E+00	1 10
0 300	0 000	0 0383	2 30000	0 000	26 91	0 00E+00	1 10
0 317	0 000	0 0386	2 31660	0 000	26 91	0 00E+00	1 10
0 333	0 000	0 0389	2 33330	0 000	26 91	0 00E+00	1 10
0 417	0 000	0 0403	2 41670	0 000	26 91	0 00E+00	1 10
0 500	0 000	0 0417	2 50000	0 000	26 91	0 00E+00	1 10
0 583	0 000	0 0431	2.58330	0 000	26 91	0 00E+00	1 10
0 667	0 000	0 0444	2 66670	0 000	26 91	0 00E+00	1 10
0 750	0 000	0 0458	2 75000	0 000	26 91	0 00E+00	1 10
0 833	0 000	0 0472	2 83330	0 000	26 91	0 00E+00	1 10
0 917	0 000	0 0486	2 91670	0 000	26 91	0 00E+00	1 10
1 000	0 000	0 0500	3 00000	0 000	26 91	0 00E+00	1 10
1 083	0 000	0 0514	3 08330	0 000	26 91	0 00E+00	1 10

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
	1 167	0 000	0 0528	3 16670	0 000	26 91	0 00E+00	1 10
	1 250	-0 010	0 0542	3 25000	0 010	26 90	5 81E-02	1 16
	1 333	0 000	0 0556	3 33330	0 000	26 91	0 00E+00	1 10
	1 417	0 000	0 0569	3 41660	0 000	26 91	0 00E+00	1 10
	1 500	0 000	0 0583	3 50000	0 000	26 91	0 00E+00	1 10
	1 583	0 000	0 0597	3 58330	0 000	26 91	0 00E+00	1 10
	1 667	0 000	0 0611	3 66670	0 000	26 91	0 00E+00	1 10
	1 750	0 000	0 0625	3 75000	0 000	26 91	0 00E+00	1 10
	1 833	-0 010	0 0639	3 83330	0 010	26 90	5 81E-02	1 16
	1 917	-0 010	0 0653	3 91670	0 010	26 90	5 81E-02	1 16
	2 000	-0 010	0 0667	4 00000	0 010	26 90	5 81E-02	1 16
	2 500	-0 020	0 0750	4 50000	0 020	26 89	1 16E-01	1 22
	3 000	-0 030	0 0833	5 00000	0 030	26 88	1 74E-01	1 28
	3 500	-0 040	0 0917	5 50000	0 040	26 87	2 32E-01	1 34
	4 000	-0 050	0 1000	6 00000	0 050	26 86	2 90E-01	1 39
	4 500	-0 060	0 1083	6 50000	0 060	26 85	3 48E-01	1 45
	5 000	-0 070	0 1167	7 00000	0 070	26 84	4 07E-01	1 51
	5 500	-0 110	0 1250	7 50000	0 110	26 80	6 39E-01	1 74
	6 000	-0 090	0 1333	8 00000	0 090	26 82	5 23E-01	1 63
	6 500	-0 100	0 1417	8 50000	0 100	26 81	5 81E-01	1 68
	7 000	-0 110	0 1500	9 00000	0 110	26 80	6 39E-01	1 74
	7 500	-0 110	0 1583	9 50000	0 110	26 80	6 39E-01	1 74
	8 000	-0 120	0 1667	10 00000	0 120	26 79	6 97E-01	1 80
	8 500	-0 130	0 1750	10 50000	0 130	26 78	7 55E-01	1 86
	9 000	-0 140	0 1833	11 00000	0 140	26 77	8 13E-01	1 92
	9 500	-0 150	0 1917	11 50000	0 150	26 76	8 71E-01	1 97
	10 000	-0 160	0 2000	12 00000	0 160	26 75	9 29E-01	2 03
	12 000	-0 190	0 2333	14 00000	0 190	26 72	1 10E+00	2 21
	14 000	-0 220	0 2667	16 00000	0 220	26 69	1 28E+00	2 38
	16 000	-0 240	0 3000	18 00000	0 240	26 67	1 39E+00	2 50
	18 000	-0 270	0 3333	20 00000	0 270	26 64	1 57E+00	2 67
	20 000	-0 290	0 3667	22 00000	0 290	26 62	1 68E+00	2 79
	22 000	-0 310	0 4000	24 00000	0 310	26 60	1 80E+00	2 90
	24 000	-0 340	0 4333	26 00000	0 340	26 57	1 97E+00	3 08
	26 000	-0 350	0 4667	28 00000	0 350	26 56	2 03E+00	3 14
	28 000	-0 370	0 5000	30 00000	0 370	26 54	2 15E+00	3 25
	30 000	-0 390	0 5333	32 00000	0 390	26 52	2 27E+00	3 37
	32 000	-0 410	0 5667	34 00000	0 410	26 50	2 38E+00	3 48
	34 000	-0 430	0 6000	36 00000	0 430	26 48	2 50E+00	3 60
	36 000	-0 450	0 6333	38 00000	0 450	26 46	2 61E+00	3 72
	38 000	-0 460	0 6667	40 00000	0 460	26 45	2 67E+00	3 78
	40 000	-0 480	0 7000	42 00000	0 480	26 43	2 79E+00	3 89
	42 000	-0 490	0 7333	44 00000	0 490	26 42	2 85E+00	3 95
	44 000	-0 510	0 7667	46 00000	0 510	26 40	2 96E+00	4 07
	46 000	-0 520	0 8000	48 00000	0 520	26 39	3 02E+00	4 12
	48 000	-0 530	0 8333	50 00000	0 530	26 38	3 08E+00	4 18
	50 000	-0 540	0 8667	52 00000	0 540	26 37	3 14E+00	4 24
	52 000	-0 550	0 9000	54 00000	0 550	26 36	3 19E+00	4 30
	54 000	-0 570	0 9333	56 00000	0 570	26 34	3 31E+00	4 41
	56 000	-0 580	0 9667	58 00000	0 580	26 33	3 37E+00	4 47
	58 000	-0 590	1 0000	60 00000	0 590	26 32	3 43E+00	4 53
	60 000	-0 590	1 0333	62 00000	0 590	26 32	3 43E+00	4 53
	62 000	-0 600	1 0667	64 00000	0 600	26 31	3 48E+00	4 59
	64 000	-0 610	1 1000	66 00000	0 610	26 30	3 54E+00	4 65
	66 000	-0 620	1 1333	68 00000	0 620	26 29	3 60E+00	4 70
	68 000	-0 630	1 1667	70 00000	0 630	26 28	3 66E+00	4 76
	70 000	-0 640	1 2000	72 00000	0 640	26 27	3 72E+00	4 82
	72 000	-0 650	1 2333	74 00000	0 650	26 26	3 78E+00	4 88
	74 000	-0 650	1 2667	76 00000	0 650	26 26	3 78E+00	4 88
	76 000	-0 660	1 3000	78 00000	0 660	26 25	3 83E+00	4 94
	78 000	-0 670	1 3333	80 00000	0 670	26 24	3 89E+00	4 99
	80 000	-0 680	1 3667	82 00000	0 680	26 23	3 95E+00	5 05
	82 000	-0 690	1 4000	84 00000	0 690	26 22	4 01E+00	5 11
	84 000	-0 690	1 4333	86 00000	0 690	26 22	4 01E+00	5 11
	86 000	-0 700	1 4667	88 00000	0 700	26 21	4 07E+00	5 17
	88 000	-0 710	1 5000	90 00000	0 710	26 20	4 12E+00	5 23
	90 000	-0 710	1 5333	92 00000	0 710	26 20	4 12E+00	5 23
	92 000	-0 720	1 5667	94 00000	0 720	26 19	4 18E+00	5 29
	94 000	-0 720	1 6000	96 00000	0 720	26 19	4 18E+00	5 29
	96 000	-0 730	1 6333	98 00000	0 730	26 18	4 24E+00	5 34
	98 000	-0 740	1 6667	100 00000	0 740	26 17	4 30E+00	5 40
	100 000	-0 740	1 7000	102 00000	0 740	26 17	4 30E+00	5 40

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
110 000	-0 770	1 8667	112.00000	0 770	26 14	4 47E+00	5 58		
120 000	-0 800	2.0333	122.00000	0 800	26 11	4 65E+00	5 75		
130 000	-0 820	2.2000	132.00000	0 820	26 09	4 76E+00	5 87		
140 000	-0 850	2.3667	142.00000	0 850	26 06	4 94E+00	6 04		
150 000	-0 870	2.5333	152.00000	0 870	26 04	5 05E+00	6 16		
160 000	-0 890	2.7000	162.00000	0 890	26 02	5 17E+00	6 27		
170 000	-0 910	2.8667	172.00000	0 910	26 00	5 29E+00	6 39		
180 000	-0 930	3.0333	182.00000	0 930	25 98	5 40E+00	6 50		
190 000	-0 940	3.2000	192.00000	0 940	25 97	5 46E+00	6 56		
200 000	-0 960	3.3667	202.00000	0 960	25 95	5 58E+00	6 68		
210 000	-0 980	3.5333	212.00000	0 980	25 93	5 69E+00	6 80		
220 000	-1 000	3.7000	222.00000	1 000	25 91	5 81E+00	6 91		
230 000	-1 010	3.8667	232.00000	1 010	25 90	5 87E+00	6 97		
240 000	-1 030	4.0333	242.00000	1 030	25 88	5 98E+00	7 09		
250 000	-1 050	4.2000	252.00000	1 050	25 86	6 10E+00	7 20		
260 000	-1 060	4.3667	262.00000	1 060	25 85	6 16E+00	7 26		
270 000	-1 080	4.5333	272.00000	1 080	25 83	6 27E+00	7 38		
280 000	-1 090	4.7000	282.00000	1 090	25 82	6 33E+00	7 43		
290 000	-1 110	4.8667	292.00000	1 110	25 80	6 45E+00	7 55		
300 000	-1 120	5.0333	302.00000	1 120	25 79	6 50E+00	7 61		
310 000	-1 130	5.2000	312.00000	1 130	25 78	6 56E+00	7 67		
320 000	-1 150	5.3667	322.00000	1 150	25 76	6 68E+00	7 78		
330 000	-1 160	5.5333	332.00000	1 160	25 75	6 74E+00	7 84		
340 000	-1 180	5.7000	342.00000	1 180	25 73	6 85E+00	7 96		
350 000	-1 190	5.8667	352.00000	1 190	25 72	6 91E+00	8 01		
360 000	-1 200	6.0333	362.00000	1 200	25 71	6 97E+00	8 07		
370 000	-1 210	6.2000	372.00000	1 210	25 70	7 03E+00	8 13		
380 000	-1 230	6.3667	382.00000	1 230	25 68	7 14E+00	8 25		
390 000	-1 240	6.5333	392.00000	1 240	25 67	7 20E+00	8 31		
400 000	-1 260	6.7000	402.00000	1 260	25 65	7 32E+00	8 42		
410 000	-1 270	6.8667	412.00000	1 270	25 64	7 38E+00	8 48		
420 000	-1 280	7.0333	422.00000	1 280	25 63	7 43E+00	8 54		
430 000	-1 300	7.2000	432.00000	1 300	25 61	7 55E+00	8 65		
440 000	-1 310	7.3667	442.00000	1 310	25 60	7 61E+00	8 71		
450 000	-1 320	7.5333	452.00000	1 320	25 59	7 67E+00	8 77		
460 000	-1 340	7.7000	462.00000	1 340	25 57	7 78E+00	8 89		
470 000	-1 350	7.8667	472.00000	1 350	25 56	7 84E+00	8 94		
480 000	-1 360	8.0333	482.00000	1 360	25 55	7 90E+00	9 00		
490 000	-1 370	8.2000	492.00000	1 370	25 54	7 96E+00	9 06		
500 000	-1 380	8.3667	502.00000	1 380	25 53	8 01E+00	9 12		
510 000	-1 400	8.5333	512.00000	1 400	25 51	8 13E+00	9 23		
520 000	-1 410	8.7000	522.00000	1 410	25 50	8 19E+00	9 29		
530 000	-1 420	8.8667	532.00000	1 420	25 49	8 25E+00	9 35		
540 000	-1 430	9.0333	542.00000	1 430	25 48	8 31E+00	9 41		
550 000	-1 450	9.2000	552.00000	1 450	25 46	8 42E+00	9 52		
560 000	-1 460	9.3667	562.00000	1 460	25 45	8 48E+00	9 58		
570 000	-1 470	9.5333	572.00000	1 470	25 44	8 54E+00	9 64		
580 000	-1 480	9.7000	582.00000	1 480	25 43	8 60E+00	9 70		
590 000	-1 490	9.8667	592.00000	1 490	25 42	8 65E+00	9 76		
600 000	-1 510	10.0333	602.00000	1 510	25 40	8 77E+00	9 87		
610 000	-1 520	10.2000	612.00000	1 520	25 39	8 83E+00	9 93		
620 000	-1 530	10.3667	622.00000	1 530	25 38	8 89E+00	9 99		
630 000	-1 550	10.5333	632.00000	1 550	25 36	9 00E+00	10 11		
640 000	-1 560	10.7000	642.00000	1 560	25 35	9 06E+00	10 16		
650 000	-1 570	10.8667	652.00000	1 570	25 34	9 12E+00	10 22		
660 000	-1 580	11.0333	662.00000	1 580	25 33	9 18E+00	10 28		
670 000	-1 600	11.2000	672.00000	1 600	25 31	9 29E+00	10 40		
680 000	-1 610	11.3667	682.00000	1 610	25 30	9 35E+00	10 45		
690 000	-1 620	11.5333	692.00000	1 620	25 29	9 41E+00	10 51		
700 000	-1 630	11.7000	702.00000	1 630	25 28	9 47E+00	10 57		
710 000	-1 650	11.8667	712.00000	1 650	25 26	9 58E+00	10 69		
720 000	-1 660	12.0333	722.00000	1 660	25 25	9 64E+00	10 74		
730 000	-1 670	12.2000	732.00000	1 670	25 24	9 70E+00	10 80		
740 000	-1 680	12.3667	742.00000	1 680	25 23	9 76E+00	10 86		
750 000	-1 690	12.5333	752.00000	1 690	25 22	9 82E+00	10 92		
760 000	-1 710	12.7000	762.00000	1 710	25 20	9 93E+00	11 03		
770 000	-1 710	12.8667	772.00000	1 710	25 20	9 93E+00	11 03		
780 000	-1 730	13.0333	782.00000	1 730	25 18	1 00E+01	11 15		
790 000	-1 740	13.2000	792.00000	1 740	25 17	1 01E+01	11 21		
800 000	-1 750	13.3667	802.00000	1 750	25 16	1 02E+01	11 27		
810 000	-1 770	13.5333	812.00000	1 770	25 14	1 03E+01	11 38		
820 000	-1 770	13.7000	822.00000	1 770	25 14	1 03E+01	11 38		

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
830 000	-1 790	13 8667	832.00000	1 790	25 12	1 04E+01	11 50	
840 000	-1 800	14 0333	842.00000	1 800	25 11	1 05E+01	11 56	
850 000	-1 810	14 2000	852.00000	1 810	25 10	1 05E+01	11 62	
860 000	-1 830	14 3667	862.00000	1 830	25 08	1 06E+01	11 73	
870 000	-1 830	14 5333	872.00000	1 830	25 08	1 06E+01	11 73	
880 000	-1 850	14 7000	882.00000	1 850	25 06	1 07E+01	11 85	
890 000	-1 860	14 8667	892.00000	1 860	25 05	1 08E+01	11 91	
900 000	-1 870	15 0333	902.00000	1 870	25 04	1 09E+01	11 96	
910 000	-1 880	15 2000	912.00000	1 880	25 03	1 09E+01	12 02	
920 000	-1 890	15 3667	922.00000	1 890	25 02	1 10E+01	12.08	
930 000	-1 900	15 5333	932.00000	1 900	25 01	1 10E+01	12.14	
940 000	-1 910	15 7000	942.00000	1 910	25 00	1 11E+01	12.20	
950 000	-1 920	15 8667	952.00000	1 920	24 99	1 12E+01	12.25	
960 000	-1 930	16 0333	962.00000	1 930	24 98	1 12E+01	12.31	
970 000	-1 950	16 2000	972.00000	1 950	24 96	1 13E+01	12.43	
980 000	-1 960	16 3667	982.00000	1 960	24 95	1 14E+01	12.49	
990 000	-1 970	16 5333	992.00000	1 970	24 94	1 14E+01	12.54	
1000 000	-1 980	16 7000	1002.00000	1 980	24 93	1 15E+01	12.60	
1100 000	-2.100	18 3667	1102.00000	2.100	24 81	1 22E+01	13 30	
1200 000	-2.170	20 0333	1202.00000	2.170	24 74	1 26E+01	13 71	
1300 000	-2.210	21 7000	1302.00000	2.210	24 70	1 28E+01	13 94	
1400 000	-2.250	23 3667	1402.00000	2.250	24 66	1 31E+01	14 17	
1500 000	-2.280	25 0333	1502.00000	2.280	24 63	1 32E+01	14 35	
1600 000	-2.310	26 7000	1602.00000	2.310	24 60	1 34E+01	14 52	
1700 000	-2.330	28 3667	1702.00000	2.330	24 58	1 35E+01	14 64	
1800 000	-2.340	30 0333	1802.00000	2.340	24 57	1 36E+01	14 69	
1900 000	-2.360	31 7000	1902.00000	2.360	24 55	1 37E+01	14 81	
2000 000	-2.370	33 3667	2002.00000	2.370	24 54	1 38E+01	14 87	
2100 000	-2.390	35 0333	2102.00000	2.390	24 52	1 39E+01	14 98	
2200 000	-2.410	36 7000	2202.00000	2.410	24 50	1 40E+01	15 10	
2300 000	-2.430	38 3667	2302.00000	2.430	24 48	1 41E+01	15 22	
2400 000	-2.440	40 0333	2402.00000	2.440	24 47	1 42E+01	15 27	
2500 000	-2.450	41 7000	2502.00000	2.450	24 46	1 42E+01	15 33	
2600 000	-2.470	43 3667	2602.00000	2.470	24 44	1 43E+01	15 45	
2700 000	-2.490	45 0333	2702.00000	2.490	24 42	1 45E+01	15 56	
2800 000	-2.500	46 7000	2802.00000	2.500	24 41	1 45E+01	15 62	
2900 000	-2.520	48 3667	2902.00000	2.520	24 39	1 46E+01	15 74	
3000 000	-2.530	50 0333	3002.00000	2.530	24 38	1 47E+01	15 80	
3100 000	-2.550	51 7000	3102.00000	2.550	24 36	1 48E+01	15 91	
3200 000	-2.560	53 3667	3202.00000	2.560	24 35	1 49E+01	15 97	
3300 000	-2.570	55 0333	3302.00000	2.570	24 34	1 49E+01	16 03	
3400 000	-2.590	56 7000	3402.00000	2.590	24 32	1 50E+01	16 15	
3500 000	-2.600	58 3667	3502.00000	2.600	24 31	1 51E+01	16 20	
3600 000	-2.620	60 0333	3602.00000	2.620	24 29	1 52E+01	16 32	
3700 000	-2.630	61 7000	3702.00000	2.630	24 28	1 53E+01	16 38	
3800 000	-2.640	63 3667	3802.00000	2.640	24 27	1 53E+01	16 44	
3900 000	-2.650	65 0333	3902.00000	2.650	24 26	1 54E+01	16 49	
4000 000	-2.670	66 7000	4002.00000	2.670	24 24	1 55E+01	16 61	
4100 000	-2.680	68 3667	4102.00000	2.680	24 23	1 56E+01	16 67	
4200 000	-2.700	70 0333	4202.00000	2.700	24 21	1 57E+01	16 78	
4300 000	-2.710	71 7000	4302.00000	2.710	24 20	1 57E+01	16 84	
4400 000	-2.730	73 3667	4402.00000	2.730	24 18	1 59E+01	16 96	
4500 000	-2.750	75 0333	4502.00000	2.750	24 16	1 60E+01	17 07	
4600 000	-2.760	76 7000	4602.00000	2.760	24 15	1 60E+01	17 13	
4700 000	-2.770	78 3667	4702.00000	2.770	24 14	1 61E+01	17 19	
4800 000	-2.780	80 0333	4802.00000	2.780	24 13	1 61E+01	17 25	
4900 000	-2.790	81 7000	4902.00000	2.790	24 12	1 62E+01	17 31	
5000 000	-2.810	83 3667	5002.00000	2.810	24 10	1 63E+01	17 42	
5100 000	-2.820	85 0333	5102.00000	2.820	24 09	1 64E+01	17 48	
5200 000	-2.840	86 7000	5202.00000	2.840	24 07	1 65E+01	17 60	
5300 000	-2.840	88 3667	5302.00000	2.840	24 07	1 65E+01	17 60	
5400 000	-2.860	90 0333	5402.00000	2.860	24 05	1 66E+01	17 71	
5500 000	-2.870	91 7000	5502.00000	2.870	24 04	1 67E+01	17 77	
5600 000	-2.890	93 3667	5602.00000	2.890	24 02	1 68E+01	17 89	
5700 000	-2.910	95 0333	5702.00000	2.910	24 00	1 69E+01	18 00	
5800 000	-2.920	96 7000	5802.00000	2.920	23 99	1 70E+01	18 06	
5900 000	-2.930	98 3667	5902.00000	2.930	23 98	1 70E+01	18 12	
6000 000	-2.950	100 0333	6002.00000	2.950	23 96	1 71E+01	18 24	
6100 000	-2.960	101 7000	6102.00000	2.960	23 95	1 72E+01	18 29	
6200 000	-2.960	103 3667	6202.00000	2.960	23 95	1 72E+01	18 29	
6300 000	-2.970	105 0333	6302.00000	2.970	23 94	1 72E+01	18 35	
6400 000	-2.990	106 7000	6402.00000	2.990	23 92	1 74E+01	18 47	

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (btc)	
6500 000	-3 000	108 3667	6502.00000	3 000	23 91	1 74E+01	18 53
6600 000	-3 020	110 0333	6602.00000	3 020	23 89	1 75E+01	18 64
6700 000	-3 030	111 7000	6702.00000	3 030	23 88	1 76E+01	18 70
6800 000	-3 050	113 3667	6802.00000	3 050	23 86	1 77E+01	18 82
6900 000	-3 070	115 0333	6902.00000	3 070	23 84	1 78E+01	18 93
7000 000	-3 080	116 7000	7002.00000	3 080	23 83	1 79E+01	18 99
7100 000	-3 100	118 3667	7102.00000	3 100	23 81	1 80E+01	19 11
7200 000	-3 120	120 0333	7202.00000	3 120	23 79	1 81E+01	19 22
7300 000	-3 140	121 7000	7302.00000	3 140	23 77	1 82E+01	19 34
7400 000	-3 160	123 3667	7402.00000	3 160	23 75	1 84E+01	19 46
7500 000	-3 170	125 0333	7502.00000	3 170	23 74	1 84E+01	19 51
7600 000	-3 180	126 7000	7602.00000	3 180	23 73	1 85E+01	19 57
7700 000	-3 190	128 3667	7702.00000	3 190	23 72	1 85E+01	19 63
7800 000	-3 210	130 0333	7802.00000	3 210	23 70	1 86E+01	19 75
7900 000	-3 220	131 7000	7902.00000	3 220	23 69	1 87E+01	19 80
8000 000	-3 230	133 3667	8002.00000	3 230	23 68	1 88E+01	19 86
8100 000	-3 240	135 0333	8102.00000	3 240	23 67	1 88E+01	19 92
8200 000	-3 250	136 7000	8202.00000	3 250	23 66	1 89E+01	19 98
8300 000	-3 270	138 3667	8302.00000	3 270	23 64	1 90E+01	20 09
8400 000	-3 290	140 0333	8402.00000	3 290	23 62	1 91E+01	20 21
8500 000	-3 300	141 7000	8502.00000	3 300	23 61	1 92E+01	20 27
8600 000	-3 320	143 3667	8602.00000	3 320	23 59	1 93E+01	20 39
8700 000	-3 320	145 0333	8702.00000	3 320	23 59	1 93E+01	20 39
8800 000	-3 340	146 7000	8802.00000	3 340	23 57	1 94E+01	20 50
8900 000	-3 360	148 3667	8902.00000	3 360	23 55	1 95E+01	20 62
9000 000	-3 370	150 0333	9002.00000	3 370	23 54	1 96E+01	20 68
9100 000	-3 370	151 7000	9102.00000	3 370	23 54	1 96E+01	20 68
9200 000	-3 390	153 3667	9202.00000	3 390	23 52	1 97E+01	20 79
9300 000	-3 400	155 0333	9302.00000	3 400	23 51	1 97E+01	20 85
9400 000	-3 420	156 7000	9402.00000	3 420	23 49	1 99E+01	20 97
9500 000	-3 430	158 3667	9502.00000	3 430	23 48	1 99E+01	21 02
9600 000	-3 440	160 0333	9602.00000	3 440	23 47	2 00E+01	21 08
9700 000	-3 450	161 7000	9702.00000	3 450	23 46	2 00E+01	21 14
9800 000	-3 470	163 3667	9802.00000	3 470	23 44	2 02E+01	21 26
9900 000	-3 480	165 0333	9902.00000	3 480	23 43	2 02E+01	21 31
10000 000	-3 500	166 7000	10002.00000	3 500	23 41	2 03E+01	21 43
10500 000	-3 560	175 0333	10502.00000	3 560	23 35	2 07E+01	21 78
11000 000	-3 610	183 3667	11002.00000	3 610	23 30	2 10E+01	22 07
11500 000	-3 680	191 7000	11502.00000	3 680	23 23	2 14E+01	22 48
12000 000	-3 740	200 0333	12002.00000	3 740	23 17	2 17E+01	22 82
12500 000	-3 790	208 3667	12502.00000	3 790	23 12	2 20E+01	23 11
13000 000	-3 870	216 7000	13002.00000	3 870	23 04	2 25E+01	23 58
13500 000	-3 930	225 0333	13502.00000	3 930	22 98	2 28E+01	23 93
14000 000	-3 980	233 3667	14002.00000	3 980	22 93	2 31E+01	24 22
14500 000	-4 050	241 7000	14502.00000	4 050	22 86	2 35E+01	24 62
15000 000	-4 100	250 0333	15002.00000	4 100	22 81	2 38E+01	24 92
15500 000	-4 150	258 3667	15502.00000	4 150	22 76	2 41E+01	25 21
16000 000	-4 210	266 7000	16002.00000	4 210	22 70	2 45E+01	25 55
16500 000	-4 260	275 0333	16502.00000	4 260	22 65	2 47E+01	25 84
17000 000	-4 320	283 3667	17002.00000	4 320	22 59	2 51E+01	26 19
17500 000	-4 380	291 7000	17502.00000	4 380	22 53	2 54E+01	26 54
18000 000	-4 420	300 0333	18002.00000	4 420	22 49	2 57E+01	26 77
18500 000	-4 470	308 3667	18502.00000	4 470	22 44	2 60E+01	27 06
19000 000	-4 510	316 7000	19002.00000	4 510	22 40	2 62E+01	27 30
19500 000	-4 550	325 0333	19502.00000	4 550	22 36	2 64E+01	27 53

Well No. 07191

Measured recovery after sampling

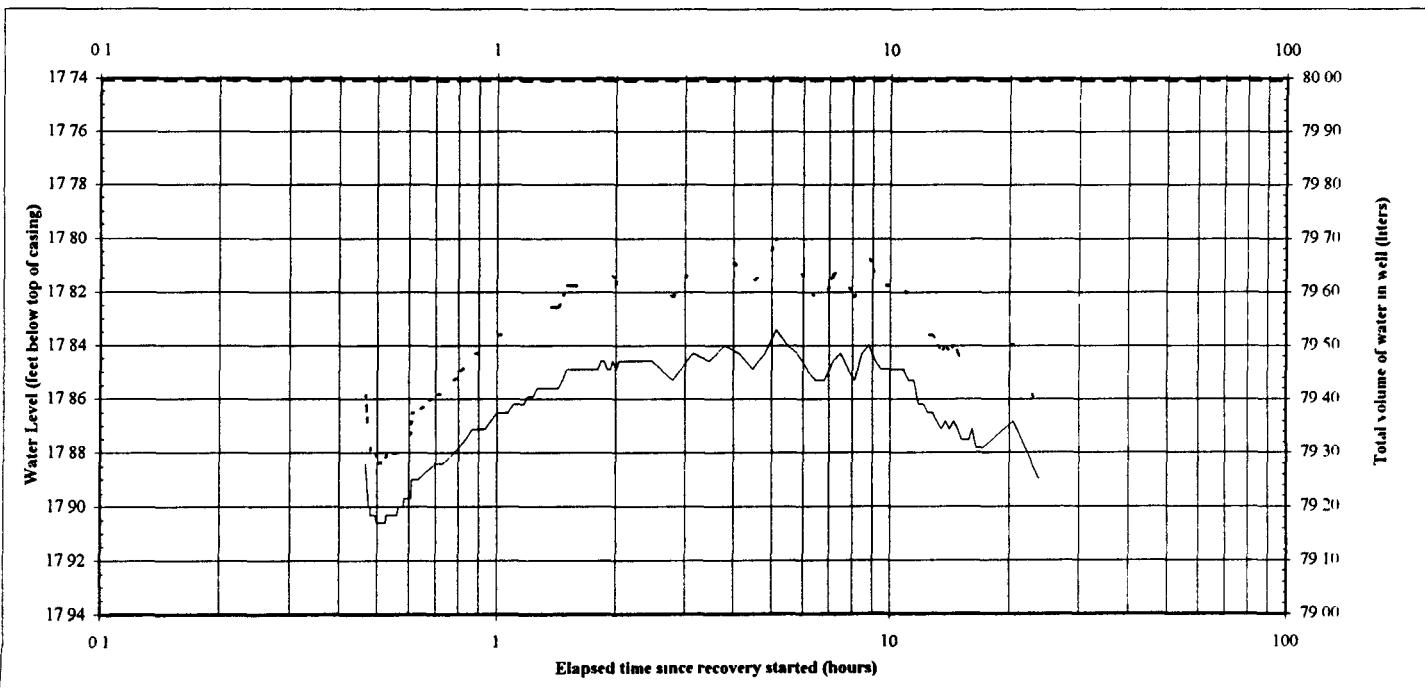
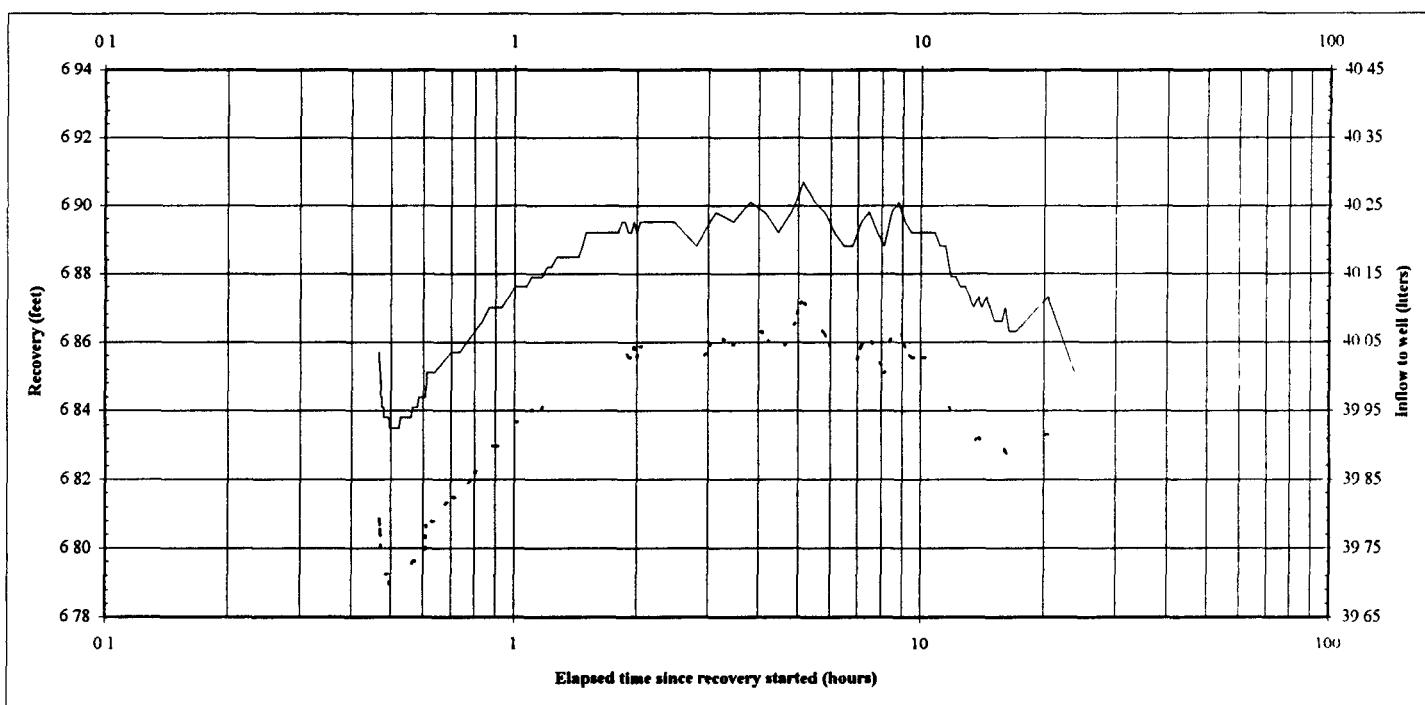
Date: 24-May-94

2nd quarter

1994

Pre-sampling
Static Water Level

Water Level
Volume



Bottom of well at 24.97 ftbc

Well No.

07191

Date Sampled

2nd quarter

24-May-94

Final bail time	8.48			
Set transducer time	9.16			
Static water level (pre-sampling)	17.7			
Final water level (post-recovery)	17.9			
Last recorded water level	-6.9			
Transducer Reference Depth	24.7			
Bottom of well	25.0			
First recorded water level	-6.6			
First recorded water level	18.2			
Water column remaining in casing after purging	6.8			
Volume remaining in casing after purging	39.6			
Well diameter	10.0	feet	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	9.0	feet below top of casing		

Input data

Transducer (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-6.857	0 4667	28 00000	6 857	17.88	3 98E+01	79.41
0 003	-6.857	0 4667	28 00330	6 857	17.88	3 98E+01	79.41
0 007	-6.857	0 4668	28 00660	6 857	17.88	3 98E+01	79.41
0 010	-6.857	0 4668	28 01000	6 857	17.88	3 98E+01	79.41
0 013	-6.857	0 4669	28 01330	6 857	17.88	3 98E+01	79.41
0 017	-6.857	0 4669	28 01660	6 857	17.88	3 98E+01	79.41
0 020	-6.857	0 4670	28 02000	6 857	17.88	3 98E+01	79.41
0 023	-6.857	0 4671	28 02330	6 857	17.88	3 98E+01	79.41
0 027	-6.857	0 4671	28 02660	6 857	17.88	3 98E+01	79.41
0 030	-6.857	0 4672	28 03000	6 857	17.88	3 98E+01	79.41
0 033	-6.857	0 4672	28 03330	6 857	17.88	3 98E+01	79.41
0 037	-6.857	0 4673	28 03660	6 857	17.88	3 98E+01	79.41
0 040	-6.854	0 4673	28 04000	6 854	17.89	3 98E+01	79.39
0 043	-6.854	0 4674	28 04330	6 854	17.89	3 98E+01	79.39
0 047	-6.854	0 4674	28 04660	6 854	17.89	3 98E+01	79.39
0 050	-6.854	0 4675	28 05000	6 854	17.89	3 98E+01	79.39
0 053	-6.854	0 4676	28 05330	6 854	17.89	3 98E+01	79.39
0 057	-6.854	0 4676	28 05660	6 854	17.89	3 98E+01	79.39
0 060	-6.854	0 4677	28 06000	6 854	17.89	3 98E+01	79.39
0 063	-6.854	0 4677	28 06330	6 854	17.89	3 98E+01	79.39
0 067	-6.854	0 4678	28 06660	6 854	17.89	3 98E+01	79.39
0 070	-6.854	0 4678	28 07000	6 854	17.89	3 98E+01	79.39
0 073	-6.854	0 4679	28 07330	6 854	17.89	3 98E+01	79.39
0 077	-6.854	0 4679	28 07660	6 854	17.89	3 98E+01	79.39
0 080	-6.854	0 4680	28 08000	6 854	17.89	3 98E+01	79.39
0 083	-6.854	0 4681	28 08330	6 854	17.89	3 98E+01	79.39
0 087	-6.854	0 4681	28 08660	6 854	17.89	3 98E+01	79.39
0 090	-6.854	0 4682	28 09000	6 854	17.89	3 98E+01	79.39
0 093	-6.854	0 4682	28 09330	6 854	17.89	3 98E+01	79.39
0 097	-6.854	0 4683	28 09660	6 854	17.89	3 98E+01	79.39
0 100	-6.854	0 4683	28 10000	6 854	17.89	3 98E+01	79.39
0 103	-6.854	0 4684	28 10330	6 854	17.89	3 98E+01	79.39
0 107	-6.854	0 4684	28 10660	6 854	17.89	3 98E+01	79.39
0 110	-6.854	0 4685	28 11000	6 854	17.89	3 98E+01	79.39
0 113	-6.854	0 4686	28 11330	6 854	17.89	3 98E+01	79.39
0 117	-6.854	0 4686	28 11660	6 854	17.89	3 98E+01	79.39
0 120	-6.851	0 4687	28 12000	6 851	17.89	3 98E+01	79.37
0 123	-6.854	0 4687	28 12330	6 854	17.89	3 98E+01	79.39
0 127	-6.851	0 4688	28 12660	6 851	17.89	3 98E+01	79.37
0 130	-6.851	0 4688	28 13000	6 851	17.89	3 98E+01	79.37

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(Liters)	(Liters)
0 133	-6 851	0 4689	28 13330	6 851	17 89	3 98E+01	79 37	
0 137	-6 851	0 4689	28 13660	6 851	17 89	3 98E+01	79 37	
0 140	-6 851	0 4690	28 14000	6 851	17 89	3 98E+01	79 37	
0 143	-6 851	0 4691	28 14330	6 851	17 89	3 98E+01	79 37	
0 147	-6 851	0 4691	28 14660	6 851	17 89	3 98E+01	79 37	
0 150	-6 851	0 4692	28 15000	6 851	17 89	3 98E+01	79 37	
0 153	-6 851	0 4692	28 15330	6 851	17 89	3 98E+01	79 37	
0 157	-6 851	0 4693	28 15660	6 851	17 89	3 98E+01	79 37	
0 160	-6 851	0 4693	28 16000	6 851	17 89	3 98E+01	79 37	
0 163	-6 851	0 4694	28 16330	6 851	17 89	3 98E+01	79 37	
0 167	-6 851	0 4694	28 16660	6 851	17 89	3 98E+01	79 37	
0 170	-6 851	0 4695	28 17000	6 851	17 89	3 98E+01	79 37	
0 173	-6 851	0 4696	28 17330	6 851	17 89	3 98E+01	79 37	
0 177	-6 851	0 4696	28 17660	6 851	17 89	3 98E+01	79 37	
0 180	-6 851	0 4697	28 18000	6 851	17 89	3 98E+01	79 37	
0 183	-6 851	0 4697	28 18330	6 851	17 89	3 98E+01	79 37	
0 187	-6 851	0 4698	28 18660	6 851	17 89	3 98E+01	79 37	
0 190	-6 851	0 4698	28 19000	6 851	17 89	3 98E+01	79 37	
0 193	-6 851	0 4699	28 19330	6 851	17 89	3 98E+01	79 37	
0 197	-6 851	0 4699	28 19660	6 851	17 89	3 98E+01	79 37	
0 200	-6 851	0 4700	28 20000	6 851	17 89	3 98E+01	79 37	
0 203	-6 851	0 4701	28 20330	6 851	17 89	3 98E+01	79 37	
0 207	-6 851	0 4701	28 20660	6 851	17 89	3 98E+01	79 37	
0 210	-6 851	0 4702	28 21000	6 851	17 89	3 98E+01	79 37	
0 213	-6 851	0 4702	28 21330	6 851	17 89	3 98E+01	79 37	
0 217	-6 851	0 4703	28 21660	6 851	17 89	3 98E+01	79 37	
0 220	-6 851	0 4703	28 22000	6 851	17 89	3 98E+01	79 37	
0 223	-6 851	0 4704	28 22330	6 851	17 89	3 98E+01	79 37	
0 227	-6 851	0 4704	28 22660	6 851	17 89	3 98E+01	79 37	
0 230	-6 851	0 4705	28 23000	6 851	17 89	3 98E+01	79 37	
0 233	-6 851	0 4706	28 23330	6 851	17 89	3 98E+01	79 37	
0 237	-6 851	0 4706	28 23660	6 851	17 89	3 98E+01	79 37	
0 240	-6 851	0 4707	28 24000	6 851	17 89	3 98E+01	79 37	
0 243	-6 847	0 4707	28 24330	6 847	17 89	3 98E+01	79 35	
0 247	-6 851	0 4708	28 24660	6 851	17 89	3 98E+01	79 37	
0 250	-6 851	0 4708	28 25000	6 851	17 89	3 98E+01	79 37	
0 253	-6 851	0 4709	28 25330	6 851	17 89	3 98E+01	79 37	
0 257	-6 847	0 4709	28 25660	6 847	17 89	3 98E+01	79 35	
0 260	-6 847	0 4710	28 26000	6 847	17 89	3 98E+01	79 35	
0 263	-6 847	0 4711	28 26330	6 847	17 89	3 98E+01	79 35	
0 267	-6 847	0 4711	28 26660	6 847	17 89	3 98E+01	79 35	
0 270	-6 847	0 4712	28 27000	6 847	17 89	3 98E+01	79 35	
0 273	-6 847	0 4712	28 27330	6 847	17 89	3 98E+01	79 35	
0 277	-6 847	0 4713	28 27660	6 847	17 89	3 98E+01	79 35	
0 280	-6 847	0 4713	28 28000	6 847	17 89	3 98E+01	79 35	
0 283	-6 847	0 4714	28 28330	6 847	17 89	3 98E+01	79 35	
0 287	-6 847	0 4714	28 28660	6 847	17 89	3 98E+01	79 35	
0 290	-6 847	0 4715	28 29000	6 847	17 89	3 98E+01	79 35	
0 293	-6 847	0 4716	28 29330	6 847	17 89	3 98E+01	79 35	
0 297	-6 847	0 4716	28 29660	6 847	17 89	3 98E+01	79 35	
0 300	-6 847	0 4717	28 30000	6 847	17 89	3 98E+01	79 35	
0 303	-6 847	0 4717	28 30330	6 847	17 89	3 98E+01	79 35	
0 307	-6 847	0 4718	28 30660	6 847	17 89	3 98E+01	79 35	
0 310	-6 847	0 4718	28 31000	6 847	17 89	3 98E+01	79 35	
0 313	-6 847	0 4719	28 31330	6 847	17 89	3 98E+01	79 35	
0 317	-6 847	0 4719	28 31660	6 847	17 89	3 98E+01	79 35	
0 320	-6 847	0 4720	28 32000	6 847	17 89	3 98E+01	79 35	
0 323	-6 847	0 4721	28 32330	6 847	17 89	3 98E+01	79 35	
0 327	-6 847	0 4721	28 32660	6 847	17 89	3 98E+01	79 35	
0 330	-6 847	0 4722	28 33000	6 847	17 89	3 98E+01	79 35	
0 333	-6 847	0 4722	28 33330	6 847	17 89	3 98E+01	79 35	
0 350	-6 844	0 4725	28 35000	6 844	17 90	3 97E+01	79 33	
0 367	-6 844	0 4728	28 36660	6 844	17 90	3 97E+01	79 33	
0 383	-6 844	0 4731	28 38330	6 844	17 90	3 97E+01	79 33	
0 400	-6 844	0 4733	28 40000	6 844	17 90	3 97E+01	79 33	
0 417	-6 844	0 4736	28 41660	6 844	17 90	3 97E+01	79 33	
0 433	-6 844	0 4739	28 43330	6 844	17 90	3 97E+01	79 33	
0 450	-6 844	0 4742	28 45000	6 844	17 90	3 97E+01	79 33	
0 467	-6 844	0 4744	28 46660	6 844	17 90	3 97E+01	79 33	
0 483	-6 844	0 4747	28 48330	6 844	17 90	3 97E+01	79 33	
0 500	-6 841	0 4750	28 50000	6 841	17 90	3 97E+01	79 32	
0 517	-6 841	0 4753	28 51660	6 841	17 90	3 97E+01	79 32	

Input data							Cumulative Inflow (Liters)	Volume of water in well (Liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 533	-6 841	0 4756	28 53330	6 841	17 90	3 97E+01	79 32	
0 550	-6 841	0 4758	28 55000	6 841	17 90	3 97E+01	79 32	
0 567	-6 841	0 4761	28 56660	6 841	17 90	3 97E+01	79 32	
0 583	-6 841	0 4764	28 58330	6 841	17 90	3 97E+01	79 32	
0 600	-6 841	0 4767	28 60000	6 841	17 90	3 97E+01	79 32	
0 617	-6 841	0 4769	28 61660	6 841	17 90	3 97E+01	79 32	
0 633	-6 841	0 4772	28 63330	6 841	17 90	3 97E+01	79 32	
0 650	-6 841	0 4775	28 65000	6 841	17 90	3 97E+01	79 32	
0 667	-6 841	0 4778	28 66660	6 841	17 90	3 97E+01	79 32	
0 683	-6 841	0 4781	28 68330	6 841	17 90	3 97E+01	79 32	
0 700	-6 841	0 4783	28 70000	6 841	17 90	3 97E+01	79 32	
0 717	-6 841	0 4786	28 71660	6 841	17 90	3 97E+01	79 32	
0 733	-6 841	0 4789	28 73330	6 841	17 90	3 97E+01	79 32	
0 750	-6 841	0 4792	28 75000	6 841	17 90	3 97E+01	79 32	
0 767	-6 841	0 4794	28 76660	6 841	17 90	3 97E+01	79 32	
0 783	-6 841	0 4797	28 78330	6 841	17 90	3 97E+01	79 32	
0 800	-6 838	0 4800	28 80000	6 838	17 90	3 97E+01	79 30	
0 817	-6 838	0 4803	28 81660	6 838	17 90	3 97E+01	79 30	
0 833	-6 838	0 4806	28 83330	6 838	17 90	3 97E+01	79 30	
0 850	-6 838	0 4808	28 85000	6 838	17 90	3 97E+01	79 30	
0 867	-6 838	0 4811	28 86660	6 838	17 90	3 97E+01	79 30	
0 883	-6 838	0 4814	28 88330	6 838	17 90	3 97E+01	79 30	
0 900	-6 838	0 4817	28 90000	6 838	17 90	3 97E+01	79 30	
0 917	-6 838	0 4819	28 91660	6 838	17 90	3 97E+01	79 30	
0 933	-6 838	0 4822	28 93330	6 838	17 90	3 97E+01	79 30	
0 950	-6 838	0 4825	28 95000	6 838	17 90	3 97E+01	79 30	
0 967	-6 838	0 4828	28 96660	6 838	17 90	3 97E+01	79 30	
0 983	-6 838	0 4831	28 98330	6 838	17 90	3 97E+01	79 30	
1 000	-6 838	0 4833	29 00000	6 838	17 90	3 97E+01	79 30	
1 200	-6 838	0 4867	29 20000	6 838	17 90	3 97E+01	79 30	
1 400	-6 838	0 4900	29 40000	6 838	17 90	3 97E+01	79 30	
1 600	-6 838	0 4933	29 60000	6 838	17 90	3 97E+01	79 30	
1 800	-6 835	0 4967	29 80000	6 835	17 91	3 97E+01	79 28	
2 000	-6 835	0 5000	30 00000	6 835	17 91	3 97E+01	79 28	
2 200	-6 835	0 5033	30 20000	6 835	17 91	3 97E+01	79 28	
2 400	-6 835	0 5067	30 40000	6 835	17 91	3 97E+01	79 28	
2 600	-6 835	0 5100	30 60000	6 835	17 91	3 97E+01	79 28	
2 800	-6 835	0 5133	30 80000	6 835	17 91	3 97E+01	79 28	
3 000	-6 835	0 5167	31 00000	6 835	17 91	3 97E+01	79 28	
3 200	-6 835	0 5200	31 20000	6 835	17 91	3 97E+01	79 28	
3 400	-6 835	0 5233	31 40000	6 835	17 91	3 97E+01	79 28	
3 600	-6 838	0 5267	31 60000	6 838	17 90	3 97E+01	79 30	
3 800	-6 838	0 5300	31 80000	6 838	17 90	3 97E+01	79 30	
4 000	-6 838	0 5333	32 00000	6 838	17 90	3 97E+01	79 30	
4 200	-6 838	0 5367	32 20000	6 838	17 90	3 97E+01	79 30	
4 400	-6 838	0 5400	32 40000	6 838	17 90	3 97E+01	79 30	
4 600	-6 838	0 5433	32 60000	6 838	17 90	3 97E+01	79 30	
4 800	-6 838	0 5467	32 80000	6 838	17 90	3 97E+01	79 30	
5 000	-6 838	0 5500	33 00000	6 838	17 90	3 97E+01	79 30	
5 200	-6 838	0 5533	33 20000	6 838	17 90	3 97E+01	79 30	
5 400	-6 838	0 5567	33 40000	6 838	17 90	3 97E+01	79 30	
5 600	-6 838	0 5600	33 60000	6 838	17 90	3 97E+01	79 30	
5 800	-6 841	0 5633	33 80000	6 841	17 90	3 97E+01	79 32	
6 000	-6 841	0 5667	34 00000	6 841	17 90	3 97E+01	79 32	
6 200	-6 841	0 5700	34 20000	6 841	17 90	3 97E+01	79 32	
6 400	-6 841	0 5733	34 40000	6 841	17 90	3 97E+01	79 32	
6 600	-6 841	0 5767	34 60000	6 841	17 90	3 97E+01	79 32	
6 800	-6 841	0 5800	34 80000	6 841	17 90	3 97E+01	79 32	
7 000	-6 844	0 5833	35 00000	6 844	17 90	3 97E+01	79 33	
7 200	-6 844	0 5867	35 20000	6 844	17 90	3 97E+01	79 33	
7 400	-6 844	0 5900	35 40000	6 844	17 90	3 97E+01	79 33	
7 600	-6 844	0 5933	35 60000	6 844	17 90	3 97E+01	79 33	
7 800	-6 844	0 5967	35 80000	6 844	17 90	3 97E+01	79 33	
8 000	-6 844	0 6000	36 00000	6 844	17 90	3 97E+01	79 33	
8 200	-6 844	0 6033	36 20000	6 844	17 90	3 97E+01	79 33	
8 400	-6 844	0 6067	36 40000	6 844	17 90	3 97E+01	79 33	
8 600	-6 851	0 6100	36 60000	6 851	17 89	3 98E+01	79 37	
8 800	-6 851	0 6133	36 80000	6 851	17 89	3 98E+01	79 37	
9 000	-6 851	0 6167	37 00000	6 851	17 89	3 98E+01	79 37	
9 200	-6 851	0 6200	37 20000	6 851	17 89	3 98E+01	79 37	
9 400	-6 851	0 6233	37 40000	6 851	17 89	3 98E+01	79 37	
9 600	-6 851	0 6267	37 60000	6 851	17 89	3 98E+01	79 37	

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
Transducer	Elapsed Time								
9 800	-6 851	0 6300	37 80000	6 851	17 89	3 98E+01	79 37		
10 000	-6 851	0 6333	38 00000	6 851	17 89	3 98E+01	79 37		
12 000	-6 854	0 6667	40 00000	6 854	17 89	3 98E+01	79 39		
14 000	-6 857	0 7000	42 00000	6 857	17 88	3 98E+01	79 41		
16 000	-6 857	0 7333	44 00000	6 857	17 88	3 98E+01	79 41		
18 000	-6 860	0 7667	46 00000	6 860	17 88	3 98E+01	79 43		
20 000	-6 863	0 8000	48 00000	6 863	17 88	3 99E+01	79 44		
22 000	-6 866	0 8333	50 00000	6 866	17 88	3 99E+01	79 46		
24 000	-6 870	0 8667	52 00000	6 870	17 87	3 99E+01	79 48		
26 000	-6 870	0 9000	54 00000	6 870	17 87	3 99E+01	79 48		
28 000	-6 870	0 9333	56 00000	6 870	17 87	3 99E+01	79 48		
30 000	-6 873	0 9667	58 00000	6 873	17 87	3 99E+01	79 50		
32 000	-6 876	1 0000	60 00000	6 876	17 87	3 99E+01	79 52		
34 000	-6 876	1 0333	62 00000	6 876	17 87	3 99E+01	79 52		
36 000	-6 876	1 0667	64 00000	6 876	17 87	3 99E+01	79 52		
38 000	-6 879	1 1000	66 00000	6 879	17 86	4 00E+01	79 54		
40 000	-6 879	1 1333	68 00000	6 879	17 86	4 00E+01	79 54		
42 000	-6 879	1 1667	70 00000	6 879	17 86	4 00E+01	79 54		
44 000	-6 882	1 2000	72 00000	6 882	17 86	4 00E+01	79 55		
46 000	-6 882	1 2333	74 00000	6 882	17 86	4 00F+01	79 55		
48 000	-6 885	1 2667	76 00000	6 885	17 86	4 00E+01	79 57		
50 000	6 885	1 3000	78 00000	6 885	17 86	4 00E+01	79 57		
52 000	-6 885	1 3333	80 00000	6 885	17 86	4 00E+01	79 57		
54 000	-6 885	1 3667	82 00000	6 885	17 86	4 00E+01	79 57		
56 000	-6 885	1 4000	84 00000	6 885	17 86	4 00E+01	79 57		
58 000	-6 885	1 4333	86 00000	6 885	17 86	4 00E+01	79 57		
60 000	-6 888	1 4667	88 00000	6 888	17 85	4 00E+01	79 59		
62 000	-6 892	1 5000	90 00000	6 892	17 85	4 00E+01	79 61		
64 000	-6 892	1 5333	92 00000	6 892	17 85	4 00E+01	79 61		
66 000	-6 892	1 5667	94 00000	6 892	17 85	4 00F+01	79 61		
68 000	-6 892	1 6000	96 00000	6 892	17 85	4 00E+01	79 61		
70 000	-6 892	1 6333	98 00000	6 892	17 85	4 00E+01	79 61		
72 000	-6 892	1 6667	100 00000	6 892	17 85	4 00E+01	79 61		
74 000	-6 892	1 7000	102 00000	6 892	17 85	4 00E+01	79 61		
76 000	-6 892	1 7333	104 00000	6 892	17 85	4 00E+01	79 61		
78 000	-6 892	1 7667	106 00000	6 892	17 85	4 00E+01	79 61		
80 000	-6 892	1 8000	108 00000	6 892	17 85	4 00E+01	79 61		
82 000	-6 895	1 8333	110 00000	6 895	17 85	4 00F+01	79 63		
84 000	-6 895	1 8667	112 00000	6 895	17 85	4 00F+01	79 63		
86 000	-6 892	1 9000	114 00000	6 892	17 85	4 00E+01	79 61		
88 000	-6 892	1 9333	116 00000	6 892	17 85	4 00E+01	79 61		
90 000	-6 895	1 9667	118 00000	6 895	17 85	4 00E+01	79 63		
92 000	-6 892	2 0000	120 00000	6 892	17 85	4 00E+01	79 61		
94 000	-6 895	2 0333	122 00000	6 895	17 85	4 00F+01	79 63		
96 000	-6 895	2 0667	124 00000	6 895	17 85	4 00E+01	79 63		
98 000	-6 895	2 1000	126 00000	6 895	17 85	4 00E+01	79 63		
100 000	-6 895	2 1333	128 00000	6 895	17 85	4 00E+01	79 63		
120 000	-6 895	2 4667	148 00000	6 895	17 85	4 00E+01	79 63		
140 000	-6 888	2 8000	168 00000	6 888	17 85	4 00E+01	79 59		
160 000	-6 898	3 1333	188 00000	6 898	17 84	4 01E+01	79 65		
180 000	-6 895	3 4667	208 00000	6 895	17 85	4 00E+01	79 63		
200 000	-6 901	3 8000	228 00000	6 901	17 84	4 01E+01	79 67		
220 000	-6 898	4 1333	248 00000	6 898	17 84	4 01E+01	79 65		
240 000	-6 892	4 4667	268 00000	6 892	17 85	4 00E+01	79 61		
260 000	-6 898	4 8000	288 00000	6 898	17 84	4 01E+01	79 65		
280 000	-6 907	5 1333	308 00000	6 907	17 83	4 01E+01	79 70		
300 000	-6 901	5 4667	328 00000	6 901	17 84	4 01E+01	79 67		
320 000	-6 898	5 8000	348 00000	6 898	17 84	4 01E+01	79 65		
340 000	-6 892	6 1333	368 00000	6 892	17 85	4 00E+01	79 61		
360 000	-6 888	6 4667	388 00000	6 888	17 85	4 00E+01	79 59		
380 000	-6 888	6 8000	408 00000	6 888	17 85	4 00E+01	79 59		
400 000	-6 895	7 1333	428 00000	6 895	17 85	4 00E+01	79 63		
420 000	-6 898	7 4667	448 00000	6 898	17 84	4 01E+01	79 65		
440 000	-6 892	7 8000	468 00000	6 892	17 85	4 00E+01	79 61		
460 000	-6 888	8 1333	488 00000	6 888	17 85	4 00E+01	79 59		
480 000	-6 898	8 4667	508 00000	6 898	17 84	4 01E+01	79 65		
500 000	-6 901	8 8000	528 00000	6 901	17 84	4 01E+01	79 67		
520 000	-6 895	9 1333	548 00000	6 895	17 85	4 00E+01	79 63		
540 000	-6 892	9 4667	568 00000	6 892	17 85	4 00E+01	79 61		
560 000	-6 892	9 8000	588 00000	6 892	17 85	4 00E+01	79 61		
580 000	-6 892	10 1333	608 00000	6 892	17 85	4 00E+01	79 61		
600 000	-6 892	10 4667	628 00000	6 892	17 85	4 00F+01	79 61		

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)		(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(Liters)
620 000	-6 892	10 8000	648 00000	6 892	17 85	4 00E+01	79 61	
640 000	-6 888	11 1333	668 00000	6 888	17 85	4 00E+01	79 59	
660 000	-6 888	11 4667	688 00000	6 888	17 85	4 00E+01	79 59	
680 000	-6 879	11 8000	708 00000	6 879	17 86	4 00E+01	79 54	
700 000	-6 879	12 1333	728 00000	6 879	17 86	4 00E+01	79 54	
720 000	-6 876	12 4667	748 00000	6 876	17 87	3 99E+01	79 52	
740 000	-6 876	12 8000	768 00000	6 876	17 87	3 99E+01	79 52	
760 000	-6 873	13 1333	788 00000	6 873	17 87	3 99E+01	79 50	
780 000	-6 870	13 4667	808 00000	6 870	17 87	3 99E+01	79 48	
800 000	-6 873	13 8000	828 00000	6 873	17 87	3 99E+01	79 50	
820 000	-6 870	14 1333	848 00000	6 870	17 87	3 99E+01	79 48	
840 000	-6 873	14 4667	868 00000	6 873	17 87	3 99E+01	79 50	
860 000	-6 870	14 8000	888 00000	6 870	17 87	3 99E+01	79 48	
880 000	-6 866	15 1333	908 00000	6 866	17 88	3 99E+01	79 46	
900 000	-6 866	15 4667	928 00000	6 866	17 88	3 99E+01	79 46	
920 000	-6 866	15 8000	948 00000	6 866	17 88	3 99E+01	79 46	
940 000	-6 870	16 1333	968 00000	6 870	17 87	3 99E+01	79 48	
960 000	-6 863	16 4667	988 00000	6 863	17 88	3 99E+01	79 44	
980 000	-6 863	16 8000	1008 00000	6 863	17 88	3 99E+01	79 44	
1000 000	-6 863	17 1333	1028 00000	6 863	17 88	3 99E+01	79 44	
1200 000	-6 873	20 4667	1228 00000	6 873	17 87	3 99E+01	79 50	
1400 000	-6 851	23 8000	1428 00000	6 851	17 89	3 98E+01	79 37	

Well No. 07291

Measured recovery after sampling

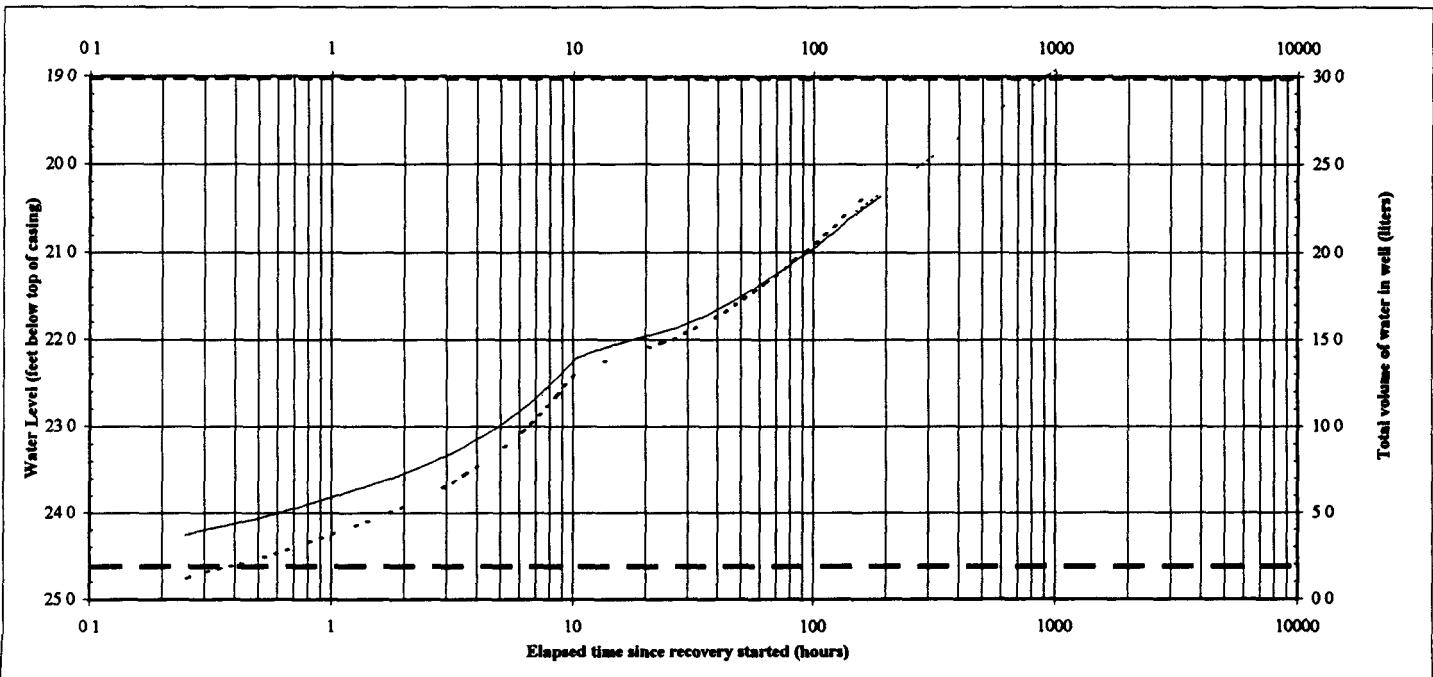
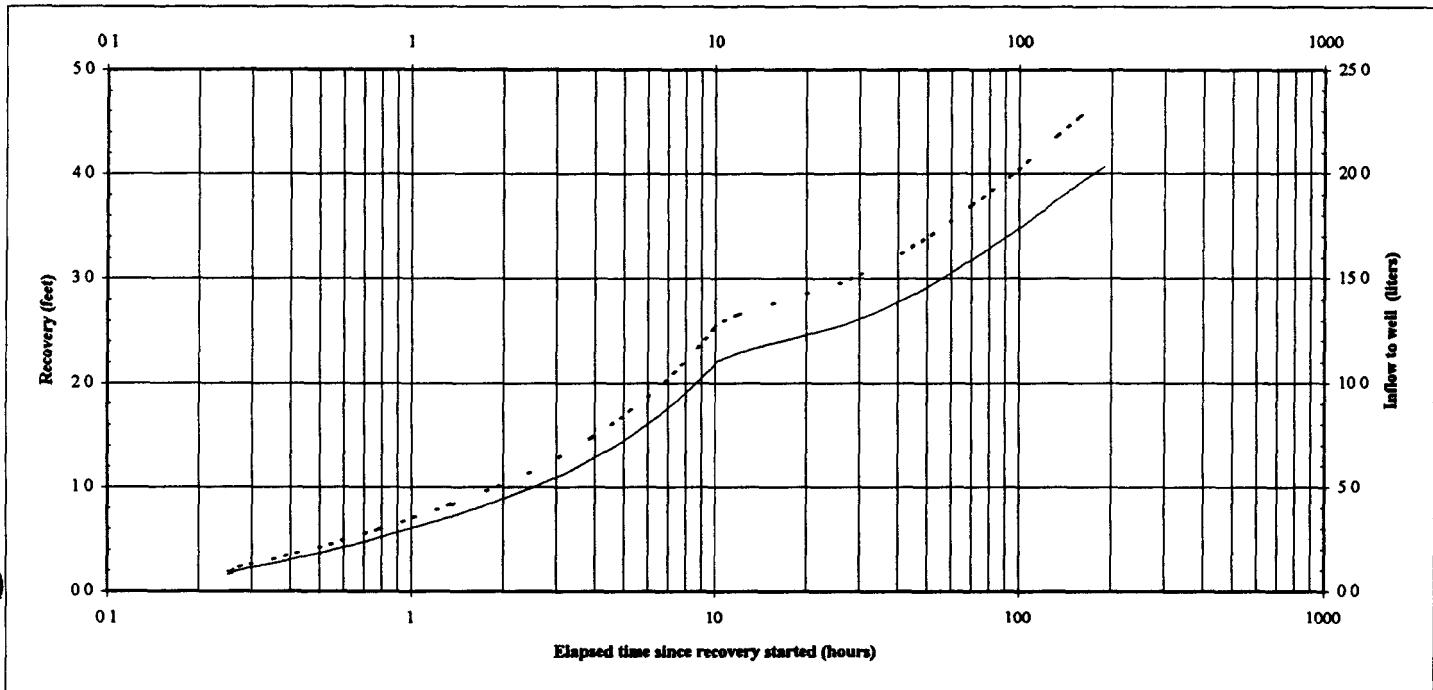
Date: 24-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

07291

Date Sampled

2nd quarter

24 May 94

Final bail time	10:10	Delay	15 00	Minutes
Set transducer time	10:25			
Static Water Level (pre-sampling)	19.9			
Final water level (post-sampling)	20.3			
Last recorded water level	24.1			
Transducer Reference Depth	24.4			
Bottom of well	24.6			
First recorded water level	24.2			
First recorded water level	24.3			
Water column remaining in casing after purging	0.4			
Volume remaining in casing after purging	0.2			
Well Diameter	10.0			
Well Radius	5.0			
Casing Diameter	3.0			
Casing radius	1.0			
Effective well radius	3.1			
Top of sandpack	7.7			
				0.62 liter/foot
				5.81 liter/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0 163	0 2500	15 00000	0 163	24 27	9 47E-01	1 17
0 003	-0 163	0 2501	15 00330	0 163	24 27	9 47E-01	1 17
0 007	-0 163	0 2501	15 00660	0 163	24 27	9 29E-01	1 15
0 010	-0 160	0 2502	15 01000	0 160	24 27	9 47E-01	1 17
0 013	-0 163	0 2502	15 01330	0 163	24 27	9 47E-01	1 17
0 017	-0 163	0 2503	15 01660	0 163	24 27	9 47E-01	1 17
0 020	-0 163	0 2503	15 02000	0 163	24 27	9 47E-01	1 17
0 023	-0 163	0 2504	15 02330	0 163	24 27	9 47E-01	1 17
0 027	-0 163	0 2504	15 02660	0 163	24 27	9 47E-01	1 17
0 030	-0 163	0 2505	15 03000	0 163	24 27	9 47E-01	1 17
0 033	-0 163	0 2506	15 03330	0 163	24 27	9 47E-01	1 17
0 037	-0 163	0 2506	15 03660	0 163	24 27	9 47E-01	1 17
0 040	-0 163	0 2507	15 04000	0 163	24 27	9 47E-01	1 17
0 043	-0 163	0 2507	15 04330	0 163	24 27	9 47E-01	1 17
0 047	-0 163	0 2508	15 04660	0 163	24 27	9 47E-01	1 17
0 050	-0 163	0 2508	15 05000	0 163	24 27	9 47E-01	1 17
0 053	-0 163	0 2509	15 05330	0 163	24 27	9 47E-01	1 17
0 057	-0 163	0 2509	15 05660	0 163	24 27	9 47E-01	1 17
0 060	-0 163	0 2510	15 06000	0 163	24 27	9 47E-01	1 17
0 063	-0 163	0 2511	15 06330	0 163	24 27	9 47E-01	1 17
0 067	-0 163	0 2511	15 06660	0 163	24 27	9 47E-01	1 17
0 070	-0 163	0 2512	15 07000	0 163	24 27	9 47E-01	1 17
0 073	-0 163	0 2512	15 07330	0 163	24 27	9 47E-01	1 17
0 077	-0 163	0 2513	15 07660	0 163	24 27	9 47E-01	1 17
0 080	-0 163	0 2513	15 08000	0 163	24 27	9 47E-01	1 17
0 083	-0 163	0 2514	15 08330	0 163	24 27	9 47E-01	1 17
0 087	-0 163	0 2514	15 08660	0 163	24 27	9 47E-01	1 17
0 090	-0 163	0 2515	15 09000	0 163	24 27	9 47E-01	1 17
0 093	-0 163	0 2516	15 09330	0 163	24 27	9 47E-01	1 17
0 097	-0 163	0 2516	15 09660	0 163	24 27	9 47E-01	1 17
0 100	-0 166	0 2517	15 10000	0 166	24 26	9 64E-01	1 18
0 103	-0 163	0 2517	15 10330	0 163	24 27	9 47E-01	1 17
0 107	-0 166	0 2518	15 10660	0 166	24 26	9 64E-01	1 18
0 110	-0 166	0 2518	15 11000	0 166	24 26	9 64E-01	1 18
0 113	-0 163	0 2519	15 11330	0 163	24 27	9 47E-01	1 17
0 117	-0 163	0 2519	15 11660	0 163	24 27	9 47E-01	1 17
0 120	-0 163	0 2520	15 12000	0 163	24 27	9 47E-01	1 17
0 123	-0 163	0 2521	15 12330	0 163	24 27	9 47E-01	1 17
0 127	-0 166	0 2521	15 12660	0 166	24 26	9 64E-01	1 18

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (Liters)	water in well (Liters)
0 000	-0 163	0 2500	15 00000	0 163	24 27		
0 130	-0 166	0 2522	15 13000	0 166	24 26	9 64E-01	1 18
0 133	-0 166	0 2522	15 13330	0 166	24 26	9 64E-01	1 18
0 137	-0 166	0 2523	15 13660	0 166	24 26	9 64E-01	1 18
0 140	-0 166	0 2523	15 14000	0 166	24 26	9 64E-01	1 18
0 143	-0 166	0 2524	15 14330	0 166	24 26	9 64E-01	1 18
0 147	-0 166	0 2524	15 14660	0 166	24 26	9 64E-01	1 18
0 150	-0 166	0 2525	15 15000	0 166	24 26	9 64E-01	1 18
0 153	-0 166	0 2526	15 15330	0 166	24 26	9 64E-01	1 18
0 157	-0 166	0 2526	15 15660	0 166	24 26	9 64E-01	1 18
0 160	-0 166	0 2527	15 16000	0 166	24 26	9 64E-01	1 18
0 163	-0 166	0 2527	15 16330	0 166	24 26	9 64E-01	1 18
0 167	-0 166	0 2528	15 16660	0 166	24 26	9 64E-01	1 18
0 170	-0 166	0 2528	15 17000	0 166	24 26	9 64E-01	1 18
0 173	-0 166	0 2529	15 17330	0 166	24 26	9 64E-01	1 18
0 177	-0 166	0 2529	15 17660	0 166	24 26	9 64E-01	1 18
0 180	-0 166	0 2530	15 18000	0 166	24 26	9 64E-01	1 18
0 183	-0 166	0 2531	15 18330	0 166	24 26	9 64E-01	1 18
0 187	-0 166	0 2531	15 18660	0 166	24 26	9 64E-01	1 18
0 190	-0 166	0 2532	15 19000	0 166	24 26	9 64E-01	1 18
0 193	-0 166	0 2532	15 19330	0 166	24 26	9 64E-01	1 18
0 197	-0 166	0 2533	15 19660	0 166	24 26	9 64E-01	1 18
0 200	-0 166	0 2533	15 20000	0 166	24 26	9 64E-01	1 18
0 203	-0 166	0 2534	15 20330	0 166	24 26	9 64E-01	1 18
0 207	-0 166	0 2534	15 20660	0 166	24 26	9 64E-01	1 18
0 210	-0 166	0 2535	15 21000	0 166	24 26	9 64E-01	1 18
0 213	-0 166	0 2536	15 21330	0 166	24 26	9 64E-01	1 18
0 217	-0 166	0 2536	15 21660	0 166	24 26	9 64E-01	1 18
0 220	-0 166	0 2537	15 22000	0 166	24 26	9 64E-01	1 18
0 223	-0 166	0 2537	15 22330	0 166	24 26	9 64E-01	1 18
0 227	-0 166	0 2538	15 22660	0 166	24 26	9 64E-01	1 18
0 230	-0 166	0 2538	15 23000	0 166	24 26	9 64E-01	1 18
0 233	-0 166	0 2539	15 23330	0 166	24 26	9 64E-01	1 18
0 237	-0 166	0 2539	15 23660	0 166	24 26	9 64E-01	1 18
0 240	-0 169	0 2540	15 24000	0 169	24 26	9 82E-01	1 20
0 243	-0 169	0 2541	15 24330	0 169	24 26	9 82E-01	1 20
0 247	-0 169	0 2541	15 24660	0 169	24 26	9 82E-01	1 20
0 250	-0 166	0 2542	15 25000	0 166	24 26	9 64E-01	1 18
0 253	-0 166	0 2542	15 25330	0 166	24 26	9 64E-01	1 18
0 257	-0 169	0 2543	15 25660	0 169	24 26	9 82E-01	1 20
0 260	-0 166	0 2543	15 26000	0 166	24 26	9 64E-01	1 18
0 263	-0 166	0 2544	15 26330	0 166	24 26	9 64E-01	1 18
0 267	-0 169	0 2544	15 26660	0 169	24 26	9 82E-01	1 20
0 270	-0 166	0 2545	15 27000	0 166	24 26	9 64E-01	1 18
0 273	-0 169	0 2546	15 27330	0 169	24 26	9 82E-01	1 20
0 277	-0 169	0 2546	15 27660	0 169	24 26	9 82E-01	1 20
0 280	-0 169	0 2547	15 28000	0 169	24 26	9 82E-01	1 20
0 283	-0 169	0 2547	15 28330	0 169	24 26	9 82E-01	1 20
0 287	-0 169	0 2548	15 28660	0 169	24 26	9 82E-01	1 20
0 290	-0 169	0 2548	15 29000	0 169	24 26	9 82E-01	1 20
0 293	-0 169	0 2549	15 29330	0 169	24 26	9 82E-01	1 20
0 297	-0 166	0 2549	15 29660	0 166	24 26	9 64E-01	1 18
0 300	-0 169	0 2550	15 30000	0 169	24 26	9 82E-01	1 20
0 303	-0 166	0 2551	15 30330	0 166	24 26	9 64E-01	1 18
0 307	-0 169	0 2551	15 30660	0 169	24 26	9 82E-01	1 20
0 310	-0 169	0 2552	15 31000	0 169	24 26	9 82E-01	1 20
0 313	-0 169	0 2552	15 31330	0 169	24 26	9 82E-01	1 20
0 317	-0 169	0 2553	15 31660	0 169	24 26	9 82E-01	1 20
0 320	-0 169	0 2553	15 32000	0 169	24 26	9 82E-01	1 20
0 323	-0 169	0 2554	15 32330	0 169	24 26	9 82E-01	1 20
0 327	-0 169	0 2554	15 32660	0 169	24 26	9 82E-01	1 20
0 330	-0 169	0 2555	15 33000	0 169	24 26	9 82E-01	1 20
0 333	-0 169	0 2556	15 33330	0 169	24 26	9 82E-01	1 20
0 350	-0 169	0 2558	15 35000	0 169	24 26	9 82E-01	1 20
0 367	-0 169	0 2561	15 36660	0 169	24 26	9 82E-01	1 20
0 383	-0 169	0 2564	15 38330	0 169	24 26	9 82E-01	1 20
0 400	-0 169	0 2567	15 40000	0 169	24 26	9 82E-01	1 20
0 417	-0 169	0 2569	15 41660	0 169	24 26	9 82E-01	1 20
0 433	-0 169	0 2572	15 43330	0 169	24 26	9 82E-01	1 20
0 450	-0 169	0 2575	15 45000	0 169	24 26	9 82E-01	1 20
0 467	-0 172	0 2578	15 46660	0 172	24 26	9 99E-01	1 22
0 483	-0 172	0 2581	15 48330	0 172	24 26	9 99E-01	1 22
0 500	-0 172	0 2583	15 50000	0 172	24 26	9 99E-01	1 22
0 517	-0 172	0 2586	15 51660	0 172	24 26	9 99E-01	1 22

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (Liters)	water in well (Liters)
0 000	-0 163	0 2500	15 00000	0 163	24 27	9 99E-01	1 22
0 533	-0 172	0 2589	15 53330	0 172	24 26	9 99E-01	1 22
0 550	-0 172	0 2592	15 55000	0 172	24 26	1 02E+00	1 24
0 567	-0 176	0 2594	15 56660	0 176	24 25	1 02E+00	1 24
0 583	-0 176	0 2597	15 58330	0 176	24 25	1 02E+00	1 24
0 600	-0 176	0 2600	15 60000	0 176	24 25	1 02E+00	1 24
0 617	-0 176	0 2603	15 61660	0 176	24 25	1 02E+00	1 24
0 633	-0 182	0 2606	15 63330	0 182	24 25	1 06E+00	1 28
0 650	-0 182	0 2608	15 65000	0 182	24 25	1 06E+00	1 28
0 667	-0 185	0 2611	15 66660	0 185	24 24	1 07E+00	1 29
0 683	-0 188	0 2614	15 68330	0 188	24 24	1 09E+00	1 31
0 700	-0 188	0 2617	15 70000	0 188	24 24	1 09E+00	1 31
0 717	-0 188	0 2619	15 71660	0 188	24 24	1 09E+00	1 31
0 733	-0 188	0 2622	15 73330	0 188	24 24	1 09E+00	1 31
0 750	-0 188	0 2625	15 75000	0 188	24 24	1 09E+00	1 31
0 767	-0 185	0 2628	15 76660	0 185	24 24	1 07E+00	1 29
0 783	-0 185	0 2631	15 78330	0 185	24 24	1 07E+00	1 29
0 800	-0 185	0 2633	15 80000	0 185	24 24	1 07E+00	1 29
0 817	-0 188	0 2636	15 81660	0 188	24 24	1 09E+00	1 31
0 833	-0 188	0 2639	15 83330	0 188	24 24	1 09E+00	1 31
0 850	-0 188	0 2642	15 85000	0 188	24 24	1 09E+00	1 31
0 867	-0 191	0 2644	15 86660	0 191	24 24	1 11E+00	1 33
0 883	-0 191	0 2647	15 88330	0 191	24 24	1 11E+00	1 33
0 900	-0 194	0 2650	15 90000	0 194	24 23	1 13E+00	1 35
0 917	-0 194	0 2653	15 91660	0 194	24 23	1 13E+00	1 35
0 933	-0 191	0 2656	15 93330	0 191	24 24	1 11E+00	1 33
0 950	-0 194	0 2658	15 95000	0 194	24 23	1 13E+00	1 35
0 967	-0 194	0 2661	15 96660	0 194	24 23	1 13E+00	1 35
0 983	-0 194	0 2664	15 98330	0 194	24 23	1 13E+00	1 35
1 000	-0 194	0 2667	16 00000	0 194	24 23	1 13E+00	1 35
1 200	-0 198	0 2700	16 20000	0 198	24 23	1 15E+00	1 37
1 400	-0 204	0 2733	16 40000	0 204	24 22	1 18E+00	1 40
1 600	-0 204	0 2767	16 60000	0 204	24 22	1 18E+00	1 40
1 800	-0 210	0 2800	16 80000	0 210	24 22	1 22E+00	1 44
2 000	-0 213	0 2833	17 00000	0 213	24 22	1 24E+00	1 46
2 200	-0 216	0 2867	17 20000	0 216	24 21	1 25E+00	1 47
2 400	-0 220	0 2900	17 40000	0 220	24 21	1 28E+00	1 50
2 600	-0 223	0 2933	17 60000	0 223	24 21	1 30E+00	1 51
2 800	-0 226	0 2967	17 80000	0 226	24 20	1 31E+00	1 53
3 000	-0 229	0 3000	18 00000	0 229	24 20	1 33E+00	1 55
3 200	-0 232	0 3033	18 20000	0 232	24 20	1 35E+00	1 57
3 400	-0 235	0 3067	18 40000	0 235	24 19	1 36E+00	1 58
3 600	-0 235	0 3100	18 60000	0 235	24 19	1 36E+00	1 58
3 800	-0 238	0 3133	18 80000	0 238	24 19	1 38E+00	1 60
4 000	-0 242	0 3167	19 00000	0 242	24 19	1 41E+00	1 62
4 200	-0 245	0 3200	19 20000	0 245	24 18	1 42E+00	1 64
4 400	-0 248	0 3233	19 40000	0 248	24 18	1 44E+00	1 66
4 600	-0 251	0 3267	19 60000	0 251	24 18	1 46E+00	1 68
4 800	-0 251	0 3300	19 80000	0 251	24 18	1 46E+00	1 68
5 000	-0 254	0 3333	20 00000	0 254	24 17	1 48E+00	1 69
5 200	-0 257	0 3367	20 20000	0 257	24 17	1 49E+00	1 71
5 400	-0 260	0 3400	20 40000	0 260	24 17	1 51E+00	1 73
5 600	-0 264	0 3433	20 60000	0 264	24 16	1 53E+00	1 75
5 800	-0 264	0 3467	20 80000	0 264	24 16	1 53E+00	1 75
6 000	-0 267	0 3500	21 00000	0 267	24 16	1 55E+00	1 77
6 200	-0 270	0 3533	21 20000	0 270	24 16	1 57E+00	1 79
6 400	-0 273	0 3567	21 40000	0 273	24 16	1 59E+00	1 80
6 600	-0 273	0 3600	21 60000	0 273	24 16	1 59E+00	1 80
6 800	-0 276	0 3633	21 80000	0 276	24 15	1 60E+00	1 82
7 000	-0 279	0 3667	22.00000	0 279	24 15	1 62E+00	1 84
7 200	-0 282	0 3700	22.20000	0 282	24 15	1 64E+00	1 86
7 400	-0 282	0 3733	22.40000	0 282	24 15	1 64E+00	1 86
7 600	-0 286	0 3767	22.60000	0 286	24 14	1 66E+00	1 88
7 800	-0 289	0 3800	22.80000	0 289	24 14	1 68E+00	1 90
8 000	-0 292	0 3833	23.00000	0 292	24 14	1 70E+00	1 92
8 200	-0 292	0 3867	23.20000	0 292	24 14	1 70E+00	1 92
8 400	-0 295	0 3900	23.40000	0 295	24 13	1 71E+00	1 93
8 600	-0 298	0 3933	23.60000	0 298	24 13	1 73E+00	1 95
8 800	-0 301	0 3967	23.80000	0 301	24 13	1 75E+00	1 97
9 000	-0 301	0 4000	24.00000	0 301	24 13	1 75E+00	1 97
9 200	-0 305	0 4033	24.20000	0 305	24 12	1 77E+00	1 99
9 400	-0 308	0 4067	24.40000	0 308	24 12	1 79E+00	2 01
9 600	-0 311	0 4100	24.60000	0 311	24 12	1 81E+00	2 03
9 800	-0 311	0 4133	24.80000	0 311	24 12	1 81E+00	2 03

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (Liters)	water in well (Liters)
0 000	-0 163	0 2500	15 00000	0 163	24 27		
10 000	-0 314	0 4167	25 00000	0 314	24 11	1 82E+00	2.04
12 000	-0 336	0 4500	27 00000	0 336	24 09	1 95E+00	2.17
14 000	-0 355	0 4833	29 00000	0 355	24 07	2.06E+00	2.28
16 000	-0 377	0 5167	31 00000	0 377	24 05	2.19E+00	2.41
18 000	-0 396	0 5500	33 00000	0 396	24 03	2.30E+00	2.52
20 000	-0 415	0 5833	35 00000	0 415	24 01	2.41E+00	2.63
22 000	-0 433	0 6167	37 00000	0 433	24 00	2.51E+00	2.73
24 000	-0 452	0 6500	39 00000	0 452	23 98	2.63E+00	2.84
26 000	-0 468	0 6833	41 00000	0 468	23 96	2.72E+00	2.94
28 000	-0 484	0 7167	43 00000	0 484	23 94	2.81E+00	3.03
30 000	-0 499	0 7500	45 00000	0 499	23 93	2.90E+00	3.12
32 000	-0 515	0 7833	47 00000	0 515	23 91	2.99E+00	3.21
34 000	-0 531	0 8167	49 00000	0 531	23 90	3.08E+00	3.30
36 000	-0 547	0 8500	51 00000	0 547	23 88	3.18E+00	3.40
38 000	-0 559	0 8833	53 00000	0 559	23 87	3.25E+00	3.47
40 000	-0 575	0 9167	55 00000	0 575	23 85	3.34E+00	3.56
42 000	-0 588	0 9500	57 00000	0 588	23 84	3.41E+00	3.63
44 000	-0 600	0 9833	59 00000	0 600	23 83	3.48E+00	3.70
46 000	-0 613	1 0167	61 00000	0 613	23 82	3.56E+00	3.78
48 000	-0 625	1 0500	63 00000	0 625	23 80	3.63E+00	3.85
50 000	-0 635	1 0833	65 00000	0 635	23 79	3.69E+00	3.91
52 000	-0 647	1 1167	67 00000	0 647	23 78	3.76E+00	3.98
54 000	-0 660	1 1500	69 00000	0 660	23 77	3.83E+00	4.05
56 000	-0 669	1 1833	71 00000	0 669	23 76	3.89E+00	4.10
58 000	-0 679	1 2167	73 00000	0 679	23 75	3.94E+00	4.16
60 000	-0 691	1 2500	75 00000	0 691	23 74	4.01E+00	4.23
62 000	-0 701	1 2833	77 00000	0 701	23 73	4.07E+00	4.29
64 000	-0 710	1 3167	79 00000	0 710	23 72	4.12E+00	4.34
66 000	-0 720	1 3500	81 00000	0 720	23 71	4.18E+00	4.40
68 000	-0 729	1 3833	83 00000	0 729	23 70	4.23E+00	4.45
70 000	-0 738	1 4167	85 00000	0 738	23 69	4.29E+00	4.51
72 000	-0 748	1 4500	87 00000	0 748	23 68	4.34E+00	4.56
74 000	-0 757	1 4833	89 00000	0 757	23 67	4.40E+00	4.62
76 000	-0 767	1 5167	91 00000	0 767	23 66	4.45E+00	4.67
78 000	-0 776	1 5500	93 00000	0 776	23 65	4.51E+00	4.73
80 000	-0 786	1 5833	95 00000	0 786	23 64	4.56E+00	4.78
82 000	-0 792	1 6167	97 00000	0 792	23 64	4.60E+00	4.82
84 000	-0 801	1 6500	99 00000	0 801	23 63	4.65E+00	4.87
86 000	-0 811	1 6833	101 00000	0 811	23 62	4.71E+00	4.93
88 000	-0 817	1 7167	103 00000	0 817	23 61	4.74E+00	4.96
90 000	-0 827	1 7500	105 00000	0 827	23 60	4.80E+00	5.02
92 000	-0 836	1 7833	107 00000	0 836	23 59	4.86E+00	5.07
94 000	-0 842	1 8167	109 00000	0 842	23 59	4.89E+00	5.11
96 000	-0 852	1 8500	111 00000	0 852	23 58	4.95E+00	5.17
98 000	-0 858	1 8833	113 00000	0 858	23 57	4.98E+00	5.20
100 000	-0 867	1 9167	115 00000	0 867	23 56	5.04E+00	5.25
120 000	-0 943	2.2500	135 00000	0 943	23 49	5.48E+00	5.70
140 000	-1 012	2.5833	155 00000	1 012	23 42	5.88E+00	6.10
160 000	-1 081	2.9167	175 00000	1 081	23 35	6.28E+00	6.50
180 000	-1 144	3 2500	195 00000	1 144	23 28	6.64E+00	6.86
200 000	-1 207	3 5833	215 00000	1 207	23 22	7.01E+00	7.23
220 000	-1 267	3 9167	235 00000	1 267	23 16	7.36E+00	7.58
240 000	-1 323	4 2500	255 00000	1 323	23 11	7.68E+00	7.90
260 000	-1 380	4 5833	275 00000	1 380	23 05	8.01E+00	8.23
280 000	-1 433	4 9167	295 00000	1 433	23 00	8.32E+00	8.54
300 000	-1 487	5 2500	315 00000	1 487	22.94	8.64E+00	8.86
320 000	-1 540	5 5833	335 00000	1 540	22.89	8.94E+00	9.16
340 000	-1 591	5 9167	355 00000	1 591	22.84	9.24E+00	9.46
360 000	-1 641	6 2500	375 00000	1 641	22.79	9.53E+00	9.75
380 000	-1 694	6 5833	395 00000	1 694	22.73	9.84E+00	10.06
400 000	-1 745	6 9167	415 00000	1 745	22.68	1.01E+01	10.35
420 000	-1 795	7 2500	435 00000	1 795	22.63	1.04E+01	10.64
440 000	-1 845	7 5833	455 00000	1 845	22.58	1.07E+01	10.93
460 000	-1 896	7 9167	475 00000	1 896	22.53	1.10E+01	11.23
480 000	-1 943	8 2500	495 00000	1 943	22.49	1.13E+01	11.50
500 000	-1 993	8 5833	515 00000	1 993	22.44	1.16E+01	11.79
520 000	-2.037	8 9167	535 00000	2.037	22.39	1.18E+01	12.05
540 000	-2.084	9 2500	555 00000	2.084	22.34	1.21E+01	12.32
560 000	-2.128	9 5833	575 00000	2.128	22.30	1.24E+01	12.58
580 000	-2.176	9 9167	595 00000	2.176	22.25	1.26E+01	12.86
600 000	-2.217	10 2500	615 00000	2.217	22.21	1.29E+01	13.10
620 000	-2.232	10 5833	635 00000	2.232	22.20	1.30E+01	13.18
640 000	-2.248	10 9167	655 00000	2.248	22.18	1.31E+01	13.28

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (Liters)	water in well (Liters)
0 000	-0 163	0 2500	15 00000	0 163	24 27		
660 000	-2 261	11 2500	675 00000	2 261	22 17	1 31E+01	13 35
680 000	-2 276	11 5833	695 00000	2 276	22 15	1 32E+01	13 44
700 000	-2 286	11 9167	715 00000	2 286	22 14	1 33E+01	13 50
720 000	-2 298	12 2500	735 00000	2 298	22 13	1 33E+01	13 57
740 000	-2 308	12 5833	755 00000	2 308	22 12	1 34E+01	13 62
760 000	-2 320	12 9167	775 00000	2 320	22 11	1 35E+01	13 69
780 000	-2 330	13 2500	795 00000	2 330	22 10	1 35E+01	13 75
800 000	-2 339	13 5833	815 00000	2 339	22 09	1 36E+01	13 80
820 000	-2 345	13 9167	835 00000	2 345	22 08	1 36E+01	13 84
840 000	-2 355	14 2500	855 00000	2 355	22 07	1 37E+01	13 90
860 000	-2 364	14 5833	875 00000	2 364	22 06	1 37E+01	13 95
880 000	-2 371	14 9167	895 00000	2 371	22 06	1 38E+01	13 99
900 000	-2 377	15 2500	915 00000	2 377	22 05	1 38E+01	14 02
920 000	-2 383	15 5833	935 00000	2 383	22 05	1 38E+01	14 06
940 000	-2 390	15 9167	955 00000	2 390	22 04	1 39E+01	14 10
960 000	-2 396	16 2500	975 00000	2 396	22 03	1 39E+01	14 13
980 000	-2 402	16 5833	995 00000	2 402	22 03	1 40E+01	14 17
1000 000	-2 408	16 9167	1015 00000	2 408	22 02	1 40E+01	14 20
1200 000	-2 468	20 2500	1215 00000	2 468	21 96	1 43E+01	14 55
1400 000	-2 515	23 5833	1415 00000	2 515	21 91	1 46E+01	14 83
1600 000	-2 562	26 9167	1615 00000	2 562	21 87	1 49E+01	15 10
1800 000	-2 622	30 2500	1815 00000	2 622	21 81	1 52E+01	15 45
2000 000	-2 676	33 5833	2015 00000	2 676	21 75	1 55E+01	15 76
2200 000	-2 729	36 9167	2215 00000	2 729	21 70	1 58E+01	16 07
2400 000	-2 780	40 2500	2415 00000	2 780	21 65	1 61E+01	16 36
2600 000	-2 827	43 5833	2615 00000	2 827	21 60	1 64E+01	16 64
2800 000	-2 877	46 9167	2815 00000	2 877	21 55	1 67E+01	16 93
3000 000	-2 924	50 2500	3015 00000	2 924	21 50	1 70E+01	17 20
3200 000	-2 971	53 5833	3215 00000	2 971	21 46	1 73E+01	17 47
3400 000	-3 015	56 9167	3415 00000	3 015	21 41	1 75E+01	17 73
3600 000	-3 059	60 2500	3615 00000	3 059	21 37	1 78E+01	17 99
3800 000	-3 104	63 5833	3815 00000	3 104	21 32	1 80E+01	18 25
4000 000	-3 151	66 9167	4015 00000	3 151	21 28	1 83E+01	18 52
4200 000	-3 182	70 2500	4215 00000	3 182	21 25	1 85E+01	18 70
4400 000	-3 220	73 5833	4415 00000	3 220	21 21	1 87E+01	18 92
4600 000	-3 254	76 9167	4615 00000	3 254	21 17	1 89E+01	19 12
4800 000	-3 292	80 2500	4815 00000	3 292	21 14	1 91E+01	19 34
5000 000	-3 330	83 5833	5015 00000	3 330	21 10	1 93E+01	19 56
5200 000	-3 361	86 9167	5215 00000	3 361	21 07	1 95E+01	19 74
5400 000	-3 393	90 2500	5415 00000	3 393	21 04	1 97E+01	19 93
5600 000	-3 421	93 5833	5615 00000	3 421	21 01	1 99E+01	20 09
5800 000	-3 450	96 9167	5815 00000	3 450	20 98	2.00E+01	20 26
6000 000	-3 481	100 2500	6015 00000	3 481	20 95	2.02E+01	20 44
6200 000	-3 509	103 5833	6215 00000	3 509	20 92	2.04E+01	20 60
6400 000	-3 541	106.9167	6415 00000	3 541	20 89	2.06E+01	20 78
6600 000	-3 569	110 2500	6615 00000	3 569	20 86	2.07E+01	20 95
6800 000	-3 600	113 5833	6815 00000	3 600	20 83	2.09E+01	21 13
7000 000	-3 626	116 9167	7015 00000	3 626	20 80	2.11E+01	21 28
7200 000	-3 644	120 2500	7215 00000	3 644	20 78	2.12E+01	21 38
7400 000	-3 673	123 5833	7415 00000	3 673	20 76	2.13E+01	21 55
7600 000	-3 701	126.9167	7615 00000	3 701	20 73	2.15E+01	21 71
7800 000	-3 733	130 2500	7815 00000	3 733	20 70	2.17E+01	21 90
8000 000	-3 758	133 5833	8015 00000	3 758	20 67	2.18E+01	22 04
8200 000	-3 783	136 9167	8215 00000	3 783	20 65	2.20E+01	22.19
8400 000	-3 805	140 2500	8415 00000	3 805	20 62	2.21E+01	22.32
8600 000	-3 824	143 5833	8615 00000	3 824	20 60	2.22E+01	22.43
8800 000	-3 846	146 9167	8815 00000	3 846	20 58	2.23E+01	22.56
9000 000	-3 865	150 2500	9015 00000	3 865	20 56	2.24E+01	22.67
9200 000	-3 887	153 5833	9215 00000	3 887	20 54	2.26E+01	22.79
9400 000	-3 909	156 9167	9415 00000	3 909	20 52	2.27E+01	22.92
9600 000	-3 928	160 2500	9615 00000	3 928	20 50	2.28E+01	23 03
9800 000	-3 946	163 5833	9815 00000	3 946	20 48	2.29E+01	23 14
10000 000	-3 962	166.9167	10015 00000	3 962	20 47	2.30E+01	23 23
11440 000	-4 066	190 9167	11455 00000	4 066	20 36	2.36E+01	23 83
12880 000	-4 138	214 9167	12895 00000	4 138	20 29	2.40E+01	24 25

Well No. 07391

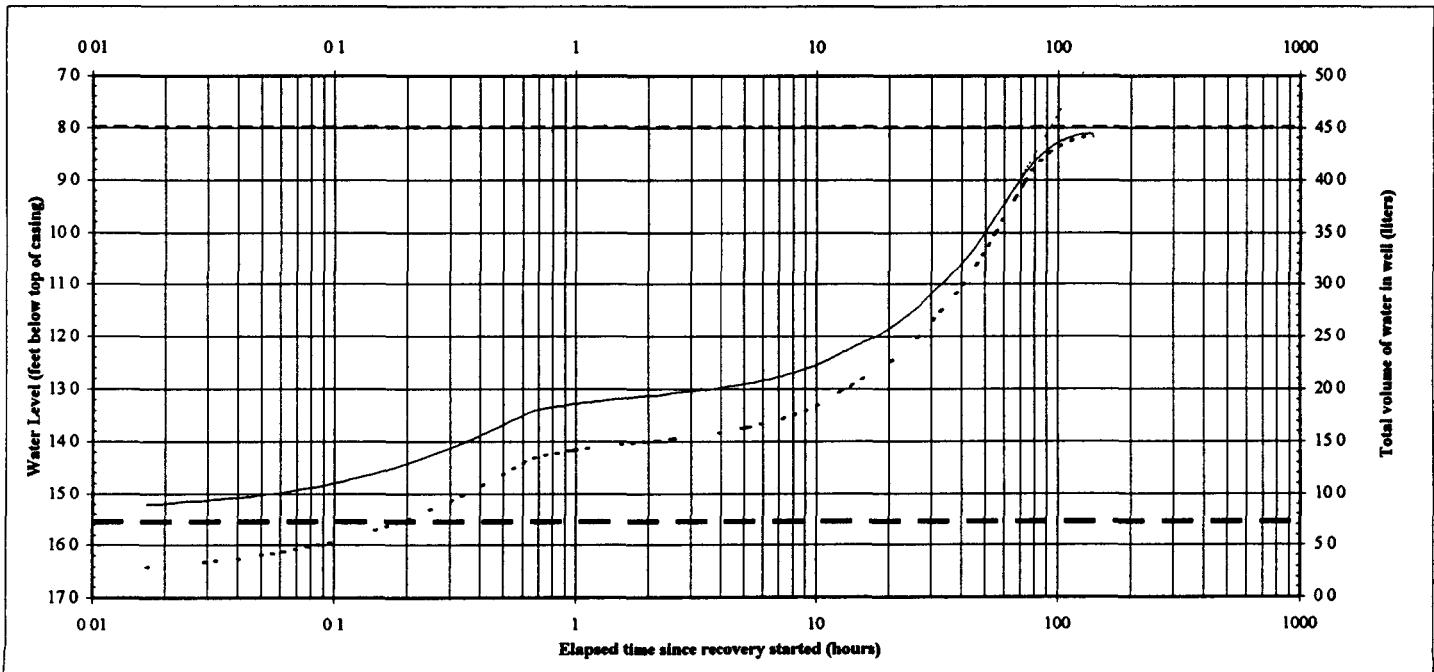
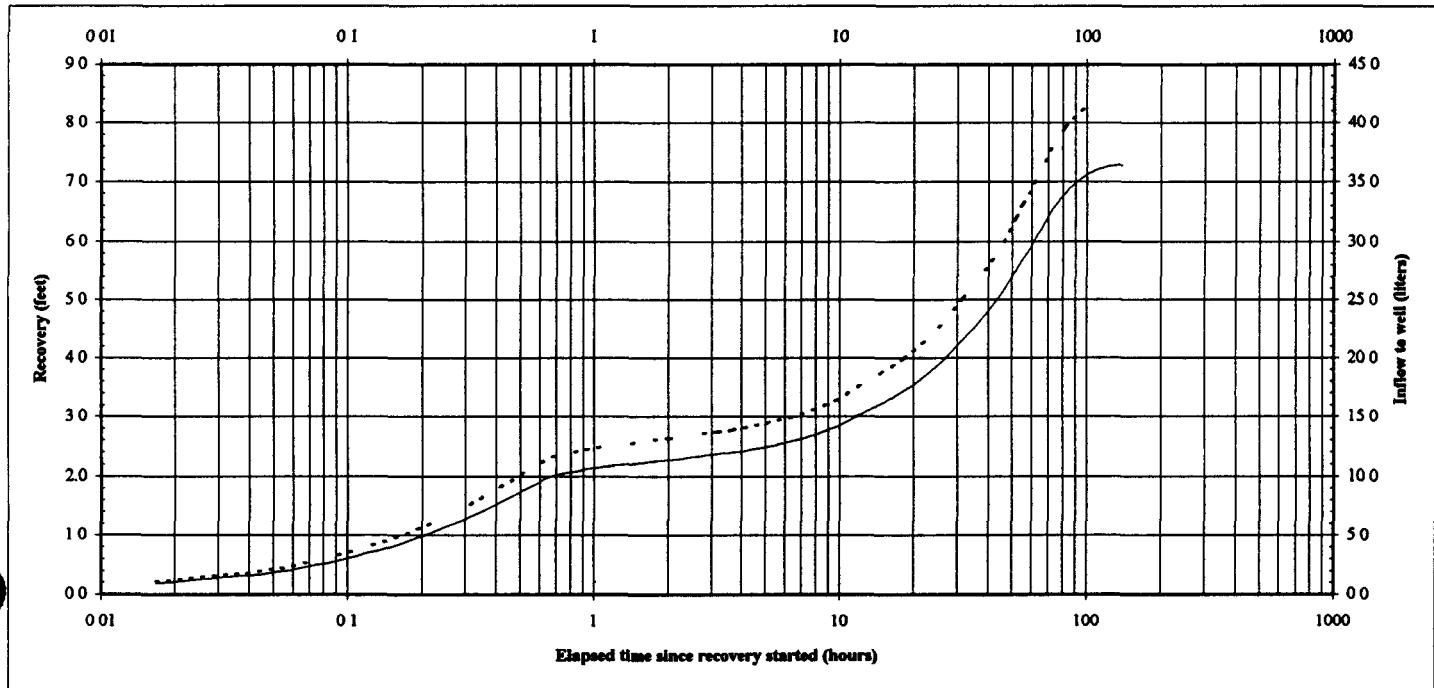
Measured recovery after sampling

Date: 27-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

07391

Date Sampled

2nd quarter
27-May-94

Final bail time	13:09			
Set transducer time	13:10			
Static water level (pre-sampling)	3.0			
Final water level (post-recovery)	3.1			
Last recorded water level	3.3			
Transducer Reference Depth	15.4			
Bottom of well	13.3			
First recorded water level	13.2			
First recorded water level	15.2			
Water column remaining in casing after purging	0.3			
Volume remaining in casing after purging	1.9			
Well diameter	10.0	feet	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	4.6	feet below top of casing		
			0.62 liter/foot	
			5.81 liter/foot	

Input data							Cumulative Inflow (Liters)	Volume of water in well (Liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
0.000	-0.180	0.0167	1 00000	0 180	15 22		1 05E+00	2.90
0.003	-0.180	0.0167	1 00330	0 180	15 22		1 10E+00	2.96
0.007	-0.190	0.0168	1 00660	0 190	15 21		1 10E+00	2.96
0.010	-0.190	0.0168	1 00990	0 190	15 21		1 10E+00	2.96
0.013	-0.190	0.0169	1 01330	0 190	15 21		1 10E+00	2.96
0.017	-0.190	0.0169	1 01660	0 190	15 21		1 10E+00	2.96
0.020	-0.190	0.0170	1 02000	0 190	15 21		1 10E+00	2.96
0.023	-0.190	0.0171	1 02330	0 190	15 21		1 10E+00	2.96
0.027	-0.190	0.0171	1 02660	0 190	15 21		1 10E+00	2.96
0.030	-0.190	0.0172	1 03000	0 190	15 21		1 10E+00	2.96
0.033	-0.190	0.0172	1 03330	0 190	15 21		1 10E+00	2.96
0.050	-0.190	0.0175	1 05000	0 190	15 21		1 10E+00	2.96
0.067	-0.190	0.0178	1 06660	0 190	15 21		1 10E+00	2.96
0.083	-0.190	0.0181	1 08330	0 190	15 21		1 10E+00	2.96
0.100	-0.200	0.0183	1 10000	0 200	15 20		1 16E+00	3.02
0.117	-0.200	0.0186	1 11660	0 200	15 20		1 16E+00	3.02
0.133	-0.200	0.0189	1 13330	0 200	15 20		1 16E+00	3.02
0.150	-0.200	0.0192	1 15000	0 200	15 20		1 16E+00	3.02
0.167	-0.200	0.0194	1 16660	0 200	15 20		1 16E+00	3.02
0.183	-0.210	0.0197	1 18330	0 210	15 19		1 22E+00	3.08
0.200	-0.210	0.0200	1 20000	0 210	15 19		1 22E+00	3.08
0.217	-0.210	0.0203	1 21660	0 210	15 19		1 22E+00	3.08
0.233	-0.210	0.0206	1 23330	0 210	15 19		1 22E+00	3.08
0.250	-0.220	0.0208	1 25000	0 220	15 18		1 28E+00	3.14
0.267	-0.220	0.0211	1 26660	0 220	15 18		1 28E+00	3.14
0.283	-0.220	0.0214	1 28330	0 220	15 18		1 28E+00	3.14
0.300	-0.220	0.0217	1 30000	0 220	15 18		1 28E+00	3.14
0.317	-0.220	0.0219	1 31660	0 220	15 18		1 28E+00	3.14
0.333	-0.230	0.0222	1 33330	0 230	15 17		1 34E+00	3.19
0.417	-0.240	0.0236	1 41670	0 240	15 16		1 39E+00	3.25
0.500	-0.250	0.0250	1 50000	0 250	15 15		1 45E+00	3.31
0.583	-0.260	0.0264	1 58330	0 260	15 14		1 51E+00	3.37
0.667	-0.260	0.0278	1 66670	0 260	15 14		1 51E+00	3.37
0.750	-0.270	0.0292	1 75000	0 270	15 13		1 57E+00	3.43
0.833	-0.280	0.0306	1 83330	0 280	15 12		1 63E+00	3.48
0.917	-0.290	0.0319	1 91670	0 290	15 11		1 68E+00	3.54
1.000	-0.290	0.0333	2.00000	0 290	15 11		1 68E+00	3.54
1.083	-0.300	0.0347	2.08330	0 300	15 10		1 74E+00	3.60

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 167	-0 310	0 0361	2 16670	0 310	15 09	1 80E+00	3 66		
1 250	-0 310	0 0375	2.25000	0 310	15 09	1 80E+00	3 66		
1 333	-0 310	0 0389	2.33330	0 310	15 08	1 86E+00	3 72		
1 417	-0 320	0 0403	2.41660	0 320	15 07	1 92E+00	3 78		
1 500	-0 330	0 0417	2.50000	0 330	15 07	1 97E+00	3 83		
1 583	-0 340	0 0431	2.58330	0 340	15 06	1 97E+00	3 83		
1 667	-0 340	0 0444	2.66670	0 340	15 06	1 97E+00	3 83		
1 750	-0 350	0 0458	2.75000	0 350	15 05	2 03E+00	3 89		
1 833	-0 360	0 0472	2.83330	0 360	15 04	2.09E+00	3 95		
1 917	-0 370	0 0486	2.91670	0 370	15 03	2.15E+00	4 01		
2.000	-0 380	0 0500	3.00000	0 380	15 02	2.21E+00	4 07		
2.500	-0 410	0 0583	3.50000	0 410	14 99	2.38E+00	4 24		
3.000	-0 460	0 0667	4.00000	0 460	14 94	2.67E+00	4 53		
3.500	-0 500	0 0750	4.50000	0 500	14 90	2.90E+00	4 76		
4.000	-0 530	0 0833	5.00000	0 530	14 87	3.08E+00	4 94		
4.500	-0 570	0.0917	5.50000	0 570	14 83	3.31E+00	5 17		
5.000	-0 610	0 1000	6.00000	0 610	14 79	3.54E+00	5 40		
5.500	-0 640	0 1083	6.50000	0 640	14 76	3.72E+00	5 58		
6.000	-0 680	0 1167	7.00000	0 680	14 72	3.95E+00	5 81		
6.500	-0 710	0 1250	7.50000	0 710	14 69	4.12E+00	5 98		
7.000	-0 740	0 1333	8.00000	0 740	14 66	4.30E+00	6 16		
7.500	-0 770	0 1417	8.50000	0 770	14 63	4.47E+00	6 33		
8.000	-0 800	0 1500	9.00000	0 800	14 60	4.65E+00	6 50		
8.500	-0 830	0 1583	9.50000	0 830	14 57	4.82E+00	6 68		
9.000	-0 860	0 1667	10.00000	0 860	14 54	4.99E+00	6 85		
9.500	-0 890	0 1750	10.50000	0 890	14 51	5.17E+00	7 03		
10.000	-0 920	0 1833	11.00000	0 920	14 48	5.34E+00	7 20		
12.000	-1 030	0 2167	13.00000	1 030	14 37	5.98E+00	7 84		
14.000	-1 140	0 2500	15.00000	1 140	14 26	6.62E+00	8 48		
16.000	-1 230	0 2833	17.00000	1 230	14 17	7.14E+00	9 00		
18.000	-1 320	0 3167	19.00000	1 320	14 08	7.67E+00	9 52		
20.000	-1 400	0 3500	21.00000	1 400	14 00	8.13E+00	9 99		
22.000	-1 480	0 3833	23.00000	1 480	13 92	8.60E+00	10 45		
24.000	-1 560	0 4167	25.00000	1 560	13 84	9.06E+00	10 92		
26.000	-1 630	0 4500	27.00000	1 630	13 77	9.47E+00	11 33		
28.000	-1 690	0 4833	29.00000	1 690	13 71	9.82E+00	11 67		
30.000	-1 760	0 5167	31.00000	1 760	13 64	1.02E+01	12.08		
32.000	-1 820	0 5500	33.00000	1 820	13 58	1.06E+01	12.43		
34.000	-1 870	0 5833	35.00000	1 870	13 53	1.09E+01	12.72		
36.000	-1 930	0 6167	37.00000	1 930	13 47	1.12E+01	13 07		
38.000	-1 980	0 6500	39.00000	1 980	13 42	1.15E+01	13 36		
40.000	-2 010	0 6833	41.00000	2.010	13 39	1.17E+01	13 53		
42.000	-2.030	0 7167	43.00000	2.030	13 37	1.18E+01	13 65		
44.000	-2 050	0 7500	45.00000	2.050	13 35	1.19E+01	13 76		
46.000	-2 060	0 7833	47.00000	2.060	13 34	1.20E+01	13 82		
48.000	-2 070	0 8167	49.00000	2.070	13 33	1.20E+01	13 88		
50.000	-2 080	0 8500	51.00000	2.080	13 32	1.21E+01	13 94		
52.000	-2 090	0 8833	53.00000	2.090	13 31	1.21E+01	14 00		
54.000	-2 110	0 9167	55.00000	2.110	13 29	1.23E+01	14 11		
56.000	-2 120	0 9500	57.00000	2.120	13 28	1.23E+01	14 17		
58.000	-2 130	0 9833	59.00000	2.130	13 27	1.24E+01	14 23		
60.000	-2 130	1 0167	61.00000	2.130	13 27	1.24E+01	14 23		
62.000	-2 140	1 0500	63.00000	2.140	13 26	1.24E+01	14 29		
64.000	-2 150	1 0833	65.00000	2.150	13 25	1.25E+01	14 35		
66.000	-2 160	1 1167	67.00000	2.160	13 24	1.25E+01	14 40		
68.000	-2 160	1 1500	69.00000	2.160	13 24	1.25E+01	14 40		
70.000	-2 170	1 1833	71.00000	2.170	13 23	1.26E+01	14 46		
72.000	-2 180	1 2167	73.00000	2.180	13 22	1.27E+01	14 52		
74.000	-2 180	1 2500	75.00000	2.180	13 22	1.27E+01	14 52		
76.000	-2 180	1 2833	77.00000	2.180	13 22	1.27E+01	14 52		
78.000	-2 190	1 3167	79.00000	2.190	13 21	1.27E+01	14 58		
80.000	-2 190	1 3500	81.00000	2.190	13 21	1.27E+01	14 58		
82.000	-2 200	1 3833	83.00000	2.200	13 20	1.28E+01	14 64		
84.000	-2 200	1 4167	85.00000	2.200	13 20	1.28E+01	14 64		
86.000	-2 210	1 4500	87.00000	2.210	13 19	1.28E+01	14 69		
88.000	-2 210	1 4833	89.00000	2.210	13 19	1.28E+01	14 69		
90.000	-2 220	1 5167	91.00000	2.220	13 18	1.29E+01	14 75		
92.000	-2 220	1 5500	93.00000	2.220	13 18	1.29E+01	14 75		
94.000	-2 230	1 5833	95.00000	2.230	13 17	1.30E+01	14 81		
96.000	-2 230	1 6167	97.00000	2.230	13 17	1.30E+01	14 81		
98.000	-2 240	1 6500	99.00000	2.240	13 16	1.30E+01	14 87		
100.000	-2 240	1 6833	101.00000	2.240	13 16	1.30E+01	14 87		

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(Liters)	(Liters)
110 000	-2.260	1 8500	111 00000	2.260	13 14		1 31E+01	14 98
120 000	-2.270	2.0167	121 00000	2.270	13 13		1 32E+01	15 04
130 000	-2.280	2.1833	131 00000	2.280	13 12		1 32E+01	15 10
140 000	-2.300	2.3500	141 00000	2.300	13 10		1 34E+01	15 22
150 000	-2.320	2.5167	151 00000	2.320	13 08		1 35E+01	15 33
160 000	-2.330	2.6833	161 00000	2.330	13 07		1 35E+01	15 39
170 000	-2.350	2.8500	171 00000	2.350	13 05		1 36E+01	15 51
180 000	-2.360	3.0167	181 00000	2.360	13 04		1 37E+01	15 56
190 000	-2.370	3.1833	191 00000	2.370	13 03		1 38E+01	15 62
200 000	-2.380	3.3500	201 00000	2.380	13 02		1 38E+01	15 68
210 000	-2.380	3.5167	211 00000	2.380	13 02		1 38E+01	15 68
220 000	-2.400	3.6833	221 00000	2.400	13 00		1 39E+01	15 80
230 000	-2.410	3.8500	231 00000	2.410	12 99		1 40E+01	15 86
240 000	-2.420	4.0167	241 00000	2.420	12.98		1 41E+01	15 91
250 000	-2.430	4.1833	251 00000	2.430	12.97		1 41E+01	15 97
260 000	-2.450	4.3500	261 00000	2.450	12.95		1 42E+01	16 09
270 000	-2.460	4.5167	271 00000	2.460	12.94		1 43E+01	16 15
280 000	-2.470	4.6833	281 00000	2.470	12.93		1 43E+01	16 20
290 000	-2.480	4.8500	291 00000	2.480	12.92		1 44E+01	16 26
300 000	-2.490	5 0167	301 00000	2.490	12.91		1 45E+01	16 32
310 000	-2.500	5 1833	311 00000	2.500	12.90		1 45E+01	16 38
320 000	-2.510	5 3500	321 00000	2.510	12.89		1 46E+01	16 44
330 000	-2.520	5 5167	331 00000	2.520	12.88		1 46E+01	16 49
340 000	-2.540	5 6833	341 00000	2.540	12.86		1 48E+01	16 61
350 000	-2.550	5 8500	351 00000	2.550	12.85		1 48E+01	16 67
360 000	-2.560	6 0167	361 00000	2.560	12.84		1 49E+01	16 73
370 000	-2.570	6 1833	371 00000	2.570	12.83		1 49E+01	16 78
380 000	-2.580	6 3500	381 00000	2.580	12.82		1 50E+01	16 84
390 000	-2.590	6 5167	391 00000	2.590	12.81		1 50E+01	16 90
400 000	-2.600	6 6833	401 00000	2.600	12.80		1 51E+01	16 96
410 000	-2.620	6 8500	411 00000	2.620	12.78		1 52E+01	17 07
420 000	-2.630	7 0167	421 00000	2.630	12.77		1 53E+01	17 13
430 000	-2.640	7 1833	431 00000	2.640	12.76		1 53E+01	17 19
440 000	-2.650	7.3500	441 00000	2.650	12.75		1 54E+01	17 25
450 000	-2.670	7 5167	451 00000	2.670	12.73		1 55E+01	17 37
460 000	-2.680	7 6833	461 00000	2.680	12.72		1 56E+01	17 42
470 000	-2.690	7 8500	471 00000	2.690	12.71		1 56E+01	17 48
480 000	-2.700	8 0167	481 00000	2.700	12.70		1 57E+01	17 54
490 000	-2.710	8 1833	491 00000	2.710	12.69		1 57E+01	17 60
500 000	-2.730	8.3500	501 00000	2.730	12.67		1 59E+01	17 71
510 000	-2.740	8 5167	511 00000	2.740	12.66		1 59E+01	17 77
520 000	-2.750	8 6833	521 00000	2.750	12.65		1 60E+01	17 83
530 000	-2.770	8 8500	531 00000	2.770	12.63		1 61E+01	17 95
540 000	-2.780	9 0167	541 00000	2.780	12.62		1 61E+01	18 00
550 000	-2.790	9 1833	551 00000	2.790	12.61		1 62E+01	18 06
560 000	-2.800	9 3500	561 00000	2.800	12.60		1 63E+01	18 12
570 000	-2.810	9 5167	571 00000	2.810	12.59		1 63E+01	18 18
580 000	-2.830	9 6833	581 00000	2.830	12.57		1 64E+01	18 29
590 000	-2.840	9 8500	591 00000	2.840	12.56		1 65E+01	18 35
600 000	-2.850	10 0167	601 00000	2.850	12.55		1 66E+01	18 41
610 000	-2.870	10 1833	611 00000	2.870	12.53		1 67E+01	18 53
620 000	-2.880	10 3500	621 00000	2.880	12.52		1 67E+01	18 58
630 000	-2.900	10 5167	631 00000	2.900	12.50		1 68E+01	18 70
640 000	-2.910	10 6833	641 00000	2.910	12.49		1 69E+01	18 76
650 000	-2.920	10 8500	651 00000	2.920	12.48		1 70E+01	18 82
660 000	-2.940	11 0167	661 00000	2.940	12.46		1 71E+01	18 93
670 000	-2.950	11 1833	671 00000	2.950	12.45		1 71E+01	18 99
680 000	-2.970	11 3500	681 00000	2.970	12.43		1 72E+01	19 11
690 000	-2.980	11 5167	691 00000	2.980	12.42		1 73E+01	19 17
700 000	-3 000	11 6833	701 00000	3 000	12.40		1 74E+01	19 28
710 000	-3 010	11 8500	711 00000	3 010	12.39		1 75E+01	19 34
720 000	-3 030	12.0167	721 00000	3 030	12.37		1 76E+01	19 46
730 000	-3 040	12 1833	731 00000	3 040	12.36		1 77E+01	19 51
740 000	-3 050	12.3500	741 00000	3 050	12.35		1 77E+01	19 57
750 000	-3 070	12.5167	751 00000	3 070	12.33		1 78E+01	19 69
760 000	-3 080	12.6833	761 00000	3 080	12.32		1 79E+01	19 75
770 000	-3 100	12.8500	771 00000	3 100	12.30		1 80E+01	19 86
780 000	-3 110	13 0167	781 00000	3 110	12.29		1 81E+01	19 92
790 000	-3 110	13 1833	791 00000	3 110	12.29		1 81E+01	19 92
800 000	-3 130	13 3500	801 00000	3 130	12.27		1 82E+01	20 04
810 000	-3 140	13 5167	811 00000	3 140	12.26		1 82E+01	20 09
820 000	-3 150	13 6833	821 00000	3 150	12.25		1 83E+01	20 15

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (Liters)	water in well (Liters)
830 000	-3 160	13 8300	831 00000	3 160	12.24	1 84E+01	20 21	
840 000	-3 170	14 0167	841 00000	3 170	12.23	1 84E+01	20 27	
850 000	-3 190	14 1833	851 00000	3 190	12.21	1 85E+01	20 39	
860 000	-3 200	14 3500	861 00000	3 200	12.20	1 86E+01	20 44	
870 000	-3 210	14 5167	871 00000	3 210	12.19	1 86E+01	20 50	
880 000	-3 220	14 6833	881 00000	3 220	12.18	1 87E+01	20 56	
890 000	-3 230	14 8500	891 00000	3 230	12.17	1 88E+01	20 62	
900 000	-3 240	15 0167	901 00000	3 240	12.16	1 88E+01	20 68	
910 000	-3 250	15 1833	911 00000	3 250	12.15	1 89E+01	20 73	
920 000	-3 260	15 3500	921 00000	3 260	12.14	1 89E+01	20 79	
930 000	-3 280	15 5167	931 00000	3 280	12.12	1 90E+01	20 91	
940 000	-3 290	15 6833	941 00000	3 290	12.11	1 91E+01	20 97	
950 000	-3 300	15 8500	951 00000	3 300	12.10	1 92E+01	21 02	
960 000	-3 310	16.0167	961 00000	3 310	12.09	1 92E+01	21 08	
970 000	-3 320	16 1833	971 00000	3 320	12.08	1 93E+01	21 14	
980 000	-3 320	16 3500	981 00000	3 320	12.08	1 93E+01	21 14	
990 000	-3 330	16 5167	991 00000	3 330	12.07	1 93E+01	21 20	
1000 000	-3 340	16.6833	1001 00000	3 340	12.06	1 94E+01	21 26	
1100 000	-3 440	18 3500	1101 00000	3 440	11.96	2.00E+01	21 84	
1200 000	-3 540	20 0167	1201 00000	3 540	11.86	2.06E+01	22 42	
1300 000	-3 650	21 6833	1301 00000	3 650	11.75	2.12E+01	23 06	
1400 000	-3 760	23 3500	1401 00000	3 760	11.64	2.18E+01	23 70	
1500 000	-3 870	25 0167	1501 00000	3 870	11.53	2.25E+01	24 33	
1600 000	-3 980	26 6833	1601 00000	3 980	11.42	2.31E+01	24 97	
1700 000	-4 100	28 3500	1701 00000	4 100	11.30	2.38E+01	25 67	
1800 000	-4 210	30 0167	1801 00000	4 210	11.19	2.45E+01	26 31	
1900 000	-4 320	31 6833	1901 00000	4 320	11.08	2.51E+01	26 95	
2000 000	-4 420	33 3500	2001 00000	4 420	10.98	2.57E+01	27 53	
2100 000	-4 510	35 0167	2101 00000	4 510	10.89	2.62E+01	28 05	
2200 000	-4 610	36 6833	2201 00000	4 610	10.79	2.68E+01	28 63	
2300 000	-4 700	38 3500	2301 00000	4 700	10.70	2.73E+01	29 15	
2400 000	-4 800	40 0167	2401 00000	4 800	10.60	2.79E+01	29 74	
2500 000	-4 900	41 6833	2501 00000	4 900	10.50	2.85E+01	30 32	
2600 000	-4 990	43 3500	2601 00000	4 990	10.41	2.90E+01	30 84	
2700 000	-5 090	45 0167	2701 00000	5 090	10.31	2.96E+01	31 42	
2800 000	-5 190	46 6833	2801 00000	5 190	10.21	3 01E+01	32 00	
2900 000	-5 300	48 3500	2901 00000	5 300	10.10	3 08E+01	32.64	
3000 000	-5 410	50 0167	3001 00000	5 410	9.99	3 14E+01	33 28	
3100 000	-5 500	51 6833	3101 00000	5 500	9.90	3 19E+01	33 80	
3200 000	-5 600	53 3500	3201 00000	5 600	9.80	3 25E+01	34 38	
3300 000	-5 700	55 0167	3301 00000	5 700	9.70	3 31E+01	34 96	
3400 000	-5 780	56 6833	3401 00000	5 780	9.62	3 36E+01	35 43	
3500 000	-5 860	58 3500	3501 00000	5 860	9.54	3 40E+01	35 89	
3600 000	-5 940	60 0167	3601 00000	5 940	9.46	3 45E+01	36 36	
3700 000	-6 030	61 6833	3701 00000	6 030	9.37	3 50E+01	36 88	
3800 000	-6 120	63 3500	3801 00000	6 120	9.28	3 55E+01	37 40	
3900 000	-6 190	65 0167	3901 00000	6 190	9.21	3 60E+01	37 81	
4000 000	-6 270	66 6833	4001 00000	6 270	9.13	3 64E+01	38 27	
4100 000	-6 340	68 3500	4101 00000	6 340	9.06	3 68E+01	38 68	
4200 000	-6 420	70 0167	4201 00000	6 420	8.98	3 73E+01	39 14	
4300 000	-6 490	71 6833	4301 00000	6 490	8.91	3 77E+01	39 55	
4400 000	-6 550	73 3500	4401 00000	6 550	8.85	3 80E+01	39 90	
4500 000	-6 610	75 0167	4501 00000	6 610	8.79	3 84E+01	40 25	
4600 000	-6 670	76 6833	4601 00000	6 670	8.73	3 87E+01	40 60	
4700 000	-6 720	78 3500	4701 00000	6 720	8.68	3 90E+01	40 89	
4800 000	-6 760	80 0167	4801 00000	6 760	8.64	3 93E+01	41 12	
4900 000	-6 810	81 6833	4901 00000	6 810	8.59	3 96E+01	41 41	
5000 000	-6 850	83 3500	5001 00000	6 850	8.55	3 98E+01	41 64	
5100 000	-6 890	85 0167	5101 00000	6 890	8.51	4 00E+01	41 87	
5200 000	-6 920	86 6833	5201 00000	6 920	8.48	4 02E+01	42 05	
5300 000	-6 950	88 3500	5301 00000	6 950	8.45	4 04E+01	42 22	
5400 000	-6 980	90 0167	5401 00000	6 980	8.42	4 05E+01	42 40	
5500 000	-7 010	91 6833	5501 00000	7 010	8.39	4 07E+01	42.57	
5600 000	-7 030	93 3500	5601 00000	7 030	8.37	4 08E+01	42.69	
5700 000	-7 060	95 0167	5701 00000	7 060	8.34	4 10E+01	42.86	
5800 000	-7 080	96 6833	5801 00000	7 080	8.32	4 11E+01	42.98	
5900 000	-7 100	98 3500	5901 00000	7 100	8.30	4 12E+01	43 09	
6000 000	-7 120	100 0167	6001 00000	7 120	8.28	4 14E+01	43 21	
6100 000	-7 140	101 6833	6101 00000	7 140	8.26	4 15E+01	43 33	
6200 000	-7 150	103 3500	6201 00000	7 150	8.25	4 15E+01	43 38	
6300 000	-7 160	105 0167	6301 00000	7 160	8.24	4 16E+01	43 44	
6400 000	-7 180	106 6833	6401 00000	7 180	8.22	4 17E+01	43 56	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
6500 000	-7 190	108 3500	6501 00000	7 190	8 21		4 18E+01	43 62
6600 000	-7 200	110 0167	6601 00000	7 200	8 20		4 18E+01	43 67
6700 000	-7 210	111 6833	6701 00000	7 210	8 19		4 19E+01	43 73
6800 000	-7 220	113 3500	6801 00000	7 220	8 18		4 19E+01	43 79
6900 000	-7 230	115 0167	6901 00000	7 230	8 17		4 20E+01	43 85
7000 000	-7 240	116.6833	7001 00000	7 240	8 16		4 20E+01	43 91
7100 000	-7 250	118 3500	7101 00000	7 250	8 15		4 21E+01	43 96
7200 000	-7 260	120 0167	7201 00000	7 260	8 14		4 22E+01	44 02
7300 000	-7 260	121 6833	7301 00000	7 260	8 14		4 22E+01	44 02
7400 000	-7 270	123 3500	7401 00000	7 270	8 13		4 22E+01	44 08
7500 000	-7 270	125 0167	7501 00000	7 270	8 13		4 22E+01	44 08
7600 000	-7 270	126 6833	7601 00000	7 270	8 13		4 22E+01	44 08
7700 000	-7 280	128 3500	7701 00000	7 280	8 12		4 23E+01	44 14
7800 000	-7 280	130 0167	7801 00000	7 280	8 12		4 23E+01	44 14
7900 000	-7 280	131 6833	7901 00000	7 280	8 12		4 23E+01	44 14
8000 000	-7 290	133 3500	8001 00000	7 290	8 11		4 23E+01	44 20
8100 000	-7 290	135 0167	8101 00000	7 290	8 11		4 23E+01	44 20
8200 000	-7 280	136 6833	8201 00000	7 280	8 12		4 23E+01	44 14
8300 000	-7 280	138 3500	8301 00000	7 280	8 12		4 23E+01	44 14
8400 000	-7 280	140 0167	8401 00000	7 280	8 12		4 23E+01	44 14

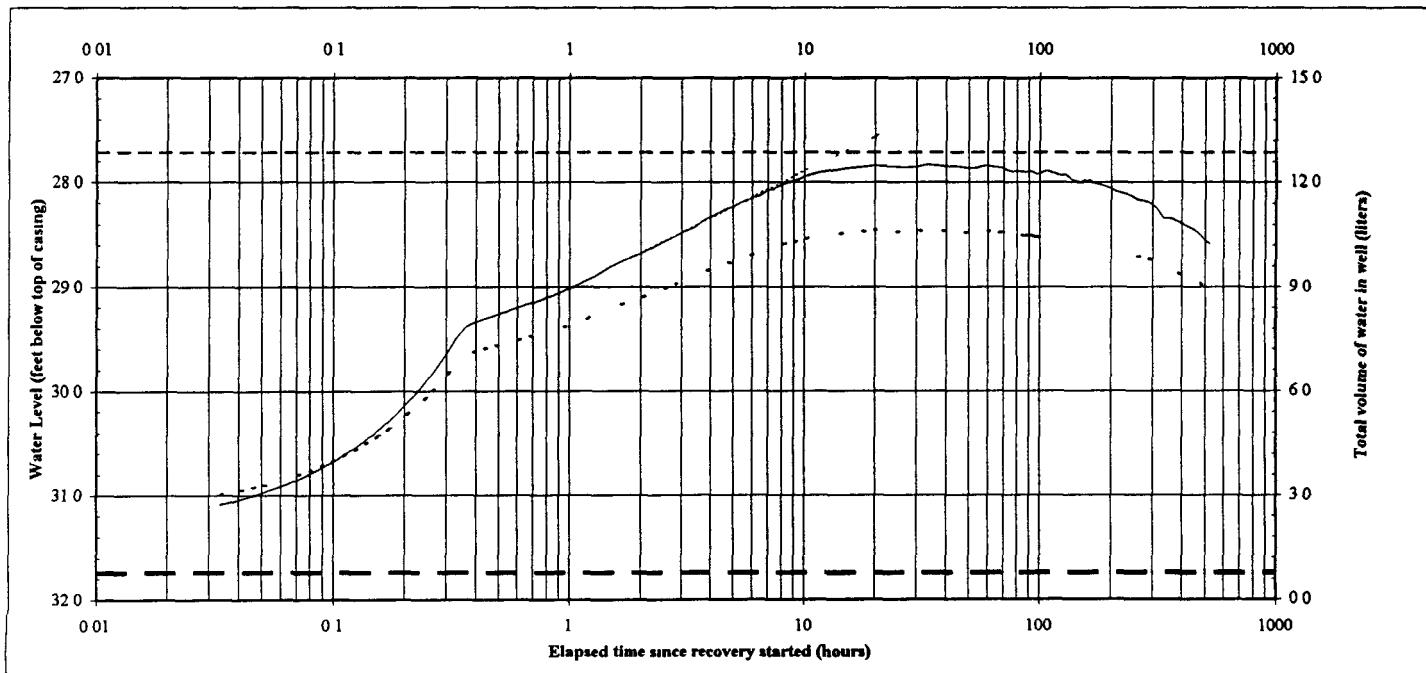
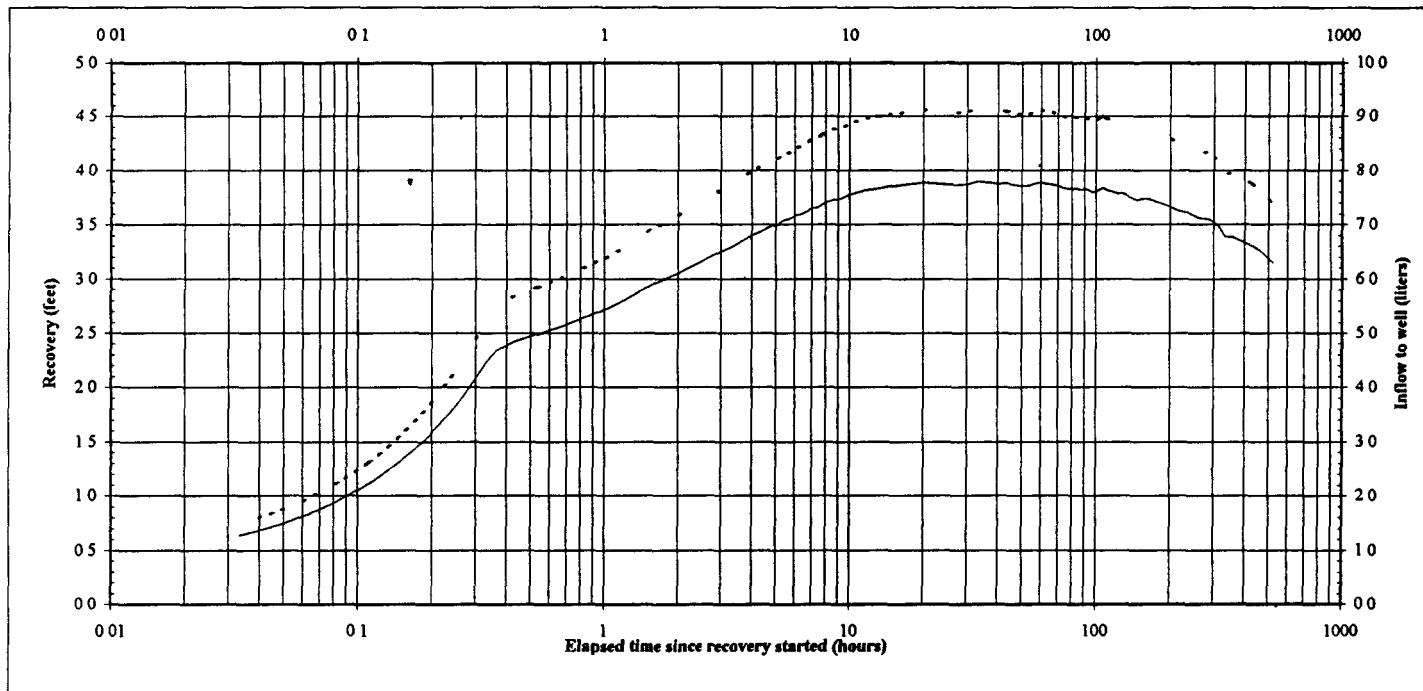
Well No. 07891

Measured recovery after sampling

Date: 22-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

07891

Date Sampled

3rd quarter

22-Aug-94

	08:58			
	09:00		Delay	2 00
Final ball time				Minutes
Set transducer time				
Static water level (pre sampling)	27.7	feet below top of casing		
Final water level (post-recovery)	28.5	feet below top of casing		
Last recorded water level	31.1	feet below transducer		
Transducer reference depth	31.7	feet below top of casing		
Bottom of well	31.7	feet below top of casing		
First recorded water level	31.6	feet below transducer		
First recorded water level	31.1	feet below top of casing		
Water column remaining in casing after purging	0.7	feet		
Volume remaining in casing after purging	1.5	liters		
Well diameter	6.8	inches	0 500	feet
Well radius	3.0	inches	0 250	feet
Casing diameter	2.0	inches	0 167	feet
Casing radius	1.0	inches	0 083	feet
Effective well radius	1.9	inches	0 162	feet
Top of sandpack	38.3	feet below top of casing		
			0 62 liters/foot	
			2 35 liters/foot	

Input data

Transducer (minutes)	Elapsed Time (seconds)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final ball (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0 639	0 0333	2.00000	0 639	31 09			
0 003	-0 639	0 0334	2.00330	0 639	31 09		1 50E+00	3 03
0 007	-0 642	0 0334	2.00660	0 642	31 09		1 51E+00	3 04
0 010	-0 642	0 0335	2.01000	0 642	31 09		1 51E+00	3 04
0 013	-0 642	0 0336	2.01330	0 642	31 09		1 51E+00	3 04
0 017	-0 642	0 0336	2.01660	0 642	31 09		1 51E+00	3 04
0 020	-0 642	0 0337	2.02000	0 642	31 09		1 51E+00	3 04
0 023	-0 645	0 0337	2.02330	0 645	31 08		1 51E+00	3 04
0 027	-0 645	0 0338	2.02660	0 645	31 08		1 51E+00	3 04
0 030	-0 645	0 0338	2.03000	0 645	31 08		1 51E+00	3 04
0 033	-0 645	0 0339	2.03330	0 645	31 08		1 51E+00	3 04
0 037	-0 645	0 0339	2.03660	0 645	31 08		1 51E+00	3 04
0 040	-0 645	0 0340	2.04000	0 645	31 08		1 51E+00	3 04
0 043	-0 645	0 0341	2.04330	0 645	31 08		1 51E+00	3 04
0 047	-0 645	0 0341	2.04660	0 645	31 08		1 51E+00	3 04
0 050	-0 649	0 0342	2.05000	0 649	31 08		1 52E+00	3 05
0 053	-0 649	0 0342	2.05330	0 649	31 08		1 52E+00	3 05
0 057	-0 649	0 0343	2.05660	0 649	31 08		1 52E+00	3 05
0 060	-0 649	0 0343	2.06000	0 649	31 08		1 52E+00	3 05
0 063	-0 649	0 0344	2.06330	0 649	31 08		1 52E+00	3 05
0 067	-0 649	0 0344	2.06660	0 649	31 08		1 52E+00	3 05
0 070	-0 649	0 0345	2.07000	0 649	31 08		1 52E+00	3 05
0 073	-0 649	0 0346	2.07330	0 649	31 08		1 52E+00	3 05
0 077	-0 649	0 0346	2.07660	0 649	31 08		1 52E+00	3 05
0 080	-0 652	0 0347	2.08000	0 652	31 08		1 53E+00	3 06
0 083	-0 652	0 0347	2.08330	0 652	31 08		1 53E+00	3 06
0 087	-0 652	0 0348	2.08660	0 652	31 08		1 53E+00	3 06
0 090	-0 652	0 0348	2.09000	0 652	31 08		1 53E+00	3 06
0 093	-0 652	0 0349	2.09330	0 652	31 08		1 53E+00	3 06
0 097	-0 652	0 0349	2.09660	0 652	31 08		1 53E+00	3 06
0 100	-0 652	0 0350	2.10000	0 652	31 08		1 53E+00	3 06
0 103	-0 652	0 0351	2.10330	0 652	31 08		1 53E+00	3 06
0 107	-0 655	0 0351	2.10660	0 655	31 07		1 54E+00	3 07
0 110	-0 655	0 0352	2.11000	0 655	31 07		1 54E+00	3 07
0 113	-0 655	0 0352	2.11330	0 655	31 07		1 54E+00	3 07
0 117	-0 655	0 0353	2.11660	0 655	31 07		1 54E+00	3 07
0 120	-0 655	0 0353	2.12000	0 655	31 07		1 54E+00	3 07
0 123	-0 655	0 0354	2.12330	0 655	31 07		1 54E+00	3 07
0 127	-0 655	0 0354	2.12660	0 655	31 07		1 54E+00	3 07

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
0 130	-0 655	0 0355	2 13000	0 655	31 07	1 54E+00	3 07	
0 133	-0 655	0 0356	2 13330	0 655	31 07	1 54E+00	3 07	
0 137	-0 658	0 0356	2 13660	0 658	31 07	1 54E+00	3 07	
0 140	-0 658	0 0357	2 14000	0 658	31 07	1 54E+00	3 07	
0 143	-0 658	0 0357	2 14330	0 658	31 07	1 54E+00	3 07	
0 147	-0 658	0 0358	2 14660	0 658	31 07	1 54E+00	3 07	
0 150	-0 658	0 0358	2 15000	0 658	31 07	1 54E+00	3 07	
0 153	-0 658	0 0359	2 15330	0 658	31 07	1 54E+00	3 07	
0 157	-0 658	0 0359	2 15660	0 658	31 07	1 54E+00	3 07	
0 160	-0 658	0 0360	2 16000	0 658	31 07	1 54E+00	3 07	
0 163	-0 658	0 0361	2 16330	0 658	31 07	1 54E+00	3 07	
0 167	-0 661	0 0361	2 16660	0 661	31 07	1 55E+00	3 08	
0 170	-0 661	0 0362	2 17000	0 661	31 07	1 55E+00	3 08	
0 173	-0 661	0 0362	2 17330	0 661	31 07	1 55E+00	3 08	
0 177	-0 661	0 0363	2 17660	0 661	31 07	1 55E+00	3 08	
0 180	-0 661	0 0363	2 18000	0 661	31 07	1 55E+00	3 08	
0 183	-0 661	0 0364	2 18330	0 661	31 07	1 55E+00	3 08	
0 187	-0 661	0 0364	2 18660	0 661	31 07	1 55E+00	3 08	
0 190	-0 661	0 0365	2 19000	0 661	31 07	1 55E+00	3 08	
0 193	-0 661	0 0366	2 19330	0 661	31 07	1 55E+00	3 08	
0 197	-0 661	0 0366	2 19660	0 661	31 07	1 55E+00	3 08	
0 200	-0 664	0 0367	2 20000	0 664	31 06	1 56E+00	3 09	
0 203	-0 664	0 0367	2 20330	0 664	31 06	1 56E+00	3 09	
0 207	-0 664	0 0368	2 20660	0 664	31 06	1 56E+00	3 09	
0 210	-0 664	0 0368	2 21000	0 664	31 06	1 56E+00	3 09	
0 213	-0 664	0 0369	2 21330	0 664	31 06	1 56E+00	3 09	
0 217	-0 664	0 0369	2 21660	0 664	31 06	1 56E+00	3 09	
0 220	-0 664	0 0370	2.22000	0 664	31 06	1 56E+00	3 09	
0 223	-0 664	0 0371	2 22330	0 664	31 06	1 56E+00	3 09	
0 227	-0 668	0 0371	2.22660	0 668	31 06	1 57E+00	3 10	
0 230	-0 668	0 0372	2 23000	0 668	31 06	1 57E+00	3 10	
0 233	-0 668	0 0372	2 23330	0 668	31 06	1 57E+00	3 10	
0 237	-0 668	0 0373	2 23660	0 668	31 06	1 57E+00	3 10	
0 240	-0 668	0 0373	2.24000	0 668	31 06	1 57E+00	3 10	
0 243	-0 668	0 0374	2 24330	0 668	31 06	1 57E+00	3 10	
0 247	-0 668	0 0374	2 24660	0 668	31 06	1 57E+00	3 10	
0 250	-0 668	0 0375	2 25000	0 668	31 06	1 57E+00	3 10	
0 253	-0 668	0 0376	2 25330	0 668	31 06	1 57E+00	3 10	
0 257	-0 671	0 0376	2 25660	0 671	31 06	1 58E+00	3 10	
0 260	-0 671	0 0377	2 26000	0 671	31 06	1 58E+00	3 10	
0 263	-0 671	0 0377	2 26330	0 671	31 06	1 58E+00	3 10	
0 267	-0 671	0 0378	2 26660	0 671	31 06	1 58E+00	3 10	
0 270	-0 671	0 0378	2 27000	0 671	31 06	1 58E+00	3 10	
0 273	-0 671	0 0379	2 27330	0 671	31 06	1 58E+00	3 10	
0 277	-0 671	0 0379	2 27660	0 671	31 06	1 58E+00	3 10	
0 280	-0 671	0 0380	2 28000	0 671	31 06	1 58E+00	3 10	
0 283	-0 671	0 0381	2 28330	0 671	31 06	1 58E+00	3 10	
0 287	-0 674	0 0381	2.28660	0 674	31 05	1 58E+00	3 11	
0 290	-0 674	0 0382	2 29000	0 674	31 05	1 58E+00	3 11	
0 293	-0 674	0 0382	2 29330	0 674	31 05	1 58E+00	3 11	
0 297	-0 674	0 0383	2 29660	0 674	31 05	1 58E+00	3 11	
0 300	-0 674	0 0383	2 30000	0 674	31 05	1 58E+00	3 11	
0 303	-0 674	0 0384	2 30330	0 674	31 05	1 58E+00	3 11	
0 307	-0 674	0 0384	2 30660	0 674	31 05	1 58E+00	3 11	
0 310	-0 677	0 0385	2 31000	0 677	31 05	1 59E+00	3 12	
0 313	-0 677	0 0386	2 31330	0 677	31 05	1 59E+00	3 12	
0 317	-0 677	0 0386	2 31660	0 677	31 05	1 59E+00	3 12	
0 320	-0 677	0 0387	2 32000	0 677	31 05	1 59E+00	3 12	
0 323	-0 677	0 0387	2.32330	0 677	31 05	1 59E+00	3 12	
0 327	-0 677	0 0388	2 32660	0 677	31 05	1 59E+00	3 12	
0 330	-0 677	0 0388	2 33000	0 677	31 05	1 59E+00	3 12	
0 333	-0 677	0 0389	2 33330	0 677	31 05	1 59E+00	3 12	
0 350	-0 680	0 0392	2 35000	0 680	31 05	1 60E+00	3 12	
0 367	-0 680	0 0394	2 36660	0 680	31 05	1 60E+00	3 12	
0 383	-0 683	0 0397	2 38330	0 683	31 05	1 60E+00	3 13	
0 400	-0 683	0 0400	2 40000	0 683	31 05	1 60E+00	3 13	
0 417	-0 686	0 0403	2 41660	0 686	31 04	1 61E+00	3 14	
0 433	-0 690	0 0406	2 43330	0 690	31 04	1 62E+00	3 15	
0 450	-0 690	0 0408	2 45000	0 690	31 04	1 62E+00	3 15	
0 467	-0 693	0 0411	2 46660	0 693	31 04	1 63E+00	3 16	
0 483	-0 693	0 0414	2 48330	0 693	31 04	1 63E+00	3 16	
0 500	-0 696	0 0417	2 50000	0 696	31 03	1 63E+00	3 16	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 517	-0 699	0 0419	2.51660	0 699	31 03		1 64E+00	3 17
0 533	-0 699	0 0422	2 53330	0 699	31 03		1 64E+00	3 17
0 550	-0 702	0 0425	2 55000	0 702	31 03		1 65E+00	3 18
0 567	-0 702	0 0428	2 56660	0 702	31 03		1 65E+00	3 18
0 583	-0 705	0 0431	2 58330	0 705	31 02		1 66E+00	3 18
0 600	-0 705	0 0433	2 60000	0 705	31 02		1 66E+00	3 18
0 617	-0 709	0 0436	2 61660	0 709	31 02		1 66E+00	3 19
0 633	-0 712	0 0439	2 63330	0 712	31 02		1 67E+00	3 20
0 650	-0 712	0 0442	2 65000	0 712	31 02		1 67E+00	3 20
0 667	-0 715	0 0444	2 66660	0 715	31 01		1 68E+00	3 21
0 683	-0 715	0 0447	2 68330	0 715	31 01		1 68E+00	3 21
0 700	-0 718	0 0450	2 70000	0 718	31 01		1 69E+00	3 21
0 717	-0 718	0 0453	2 71660	0 718	31 01		1 69E+00	3 21
0 733	-0 721	0 0456	2 73330	0 721	31 01		1 69E+00	3 22
0 750	-0 724	0 0458	2 75000	0 724	31 00		1 70E+00	3 23
0 767	-0 724	0 0461	2 76660	0 724	31 00		1 70E+00	3 23
0 783	-0 727	0 0464	2 78330	0 727	31 00		1 71E+00	3 24
0 800	-0 727	0 0467	2 80000	0 727	31 00		1 71E+00	3 24
0 817	-0 731	0 0469	2 81660	0 731	31 00		1 72E+00	3 24
0 833	-0 731	0 0472	2 83330	0 731	31 00		1 72E+00	3 24
0 850	-0 734	0 0475	2 85000	0 734	30 99		1 72E+00	3 25
0 867	-0 734	0 0478	2 86660	0 734	30 99		1 72E+00	3 25
0 883	-0 737	0 0481	2 88330	0 737	30 99		1 73E+00	3 26
0 900	-0 740	0 0483	2 90000	0 740	30 99		1 74E+00	3 27
0 917	-0 740	0 0486	2 91660	0 740	30 99		1 74E+00	3 27
0 933	-0 743	0 0489	2 93330	0 743	30 99		1 74E+00	3 27
0 950	-0 743	0 0492	2 95000	0 743	30 99		1 74E+00	3 27
0 967	-0 746	0 0494	2 96660	0 746	30 98		1 75E+00	3 28
0 983	-0 749	0 0497	2 98330	0 749	30 98		1 76E+00	3 29
1 000	-0 749	0 0500	3 00000	0 749	30 98		1 76E+00	3 29
1 200	-0 775	0 0533	3 20000	0 775	30 95		1 82E+00	3 35
1 400	-0 794	0 0567	3 40000	0 794	30 93		1 86E+00	3 39
1 600	-0 816	0 0600	3 60000	0 816	30 91		1 92E+00	3 44
1 800	-0 835	0 0633	3 80000	0 835	30 89		1 96E+00	3 49
2 000	-0 857	0 0667	4 00000	0 857	30 87		2 01E+00	3 54
2 200	-0 876	0 0700	4 20000	0 876	30 85		2 06E+00	3 59
2 400	-0 898	0 0733	4 40000	0 898	30 83		2 11E+00	3 64
2 600	-0 916	0 0767	4 60000	0 916	30 81		2 15E+00	3 68
2 800	-0 935	0 0800	4 80000	0 935	30 79		2 20E+00	3 72
3 000	-0 957	0 0833	5 00000	0 957	30 77		2 25E+00	3 78
3 200	-0 976	0 0867	5 20000	0 976	30 75		2 29E+00	3 82
3 400	-0 995	0 0900	5 40000	0 995	30 73		2 34E+00	3 86
3 600	-1 014	0 0933	5 60000	1 014	30 71		2 38E+00	3 91
3 800	-1 033	0 0967	5 80000	1 033	30 70		2 43E+00	3 95
4 000	-1 052	0 1000	6 00000	1 052	30 68		2 47E+00	4 00
4 200	-1 071	0 1033	6 20000	1 071	30 66		2 51E+00	4 04
4 400	-1 090	0 1067	6 40000	1 090	30 64		2 56E+00	4 09
4 600	-1 109	0 1100	6 60000	1 109	30 62		2 60E+00	4 13
4 800	-1 128	0 1133	6 80000	1 128	30 60		2 65E+00	4 18
5 000	-1 147	0 1167	7 00000	1 147	30 58		2 69E+00	4 22
5 200	-1 165	0 1200	7 20000	1 165	30 56		2 74E+00	4 26
5 400	-1 184	0 1233	7 40000	1 184	30 54		2 78E+00	4 31
5 600	-1 203	0 1267	7 60000	1 203	30 53		2 82E+00	4 35
5 800	-1 222	0 1300	7 80000	1 222	30 51		2 87E+00	4 40
6 000	-1 238	0 1333	8 00000	1 238	30 49		2 91E+00	4 44
6 200	-1 257	0 1367	8 20000	1 257	30 47		2 95E+00	4 48
6 400	-1 276	0 1400	8 40000	1 276	30 45		3 00E+00	4 52
6 600	-1 295	0 1433	8 60000	1 295	30 43		3 04E+00	4 57
6 800	-1 310	0 1467	8 80000	1 310	30 42		3 08E+00	4 60
7 000	-1 329	0 1500	9 00000	1 329	30 40		3 12E+00	4 65
7 200	-1 348	0 1533	9 20000	1 348	30 38		3 16E+00	4 69
7 400	-1 364	0 1567	9 40000	1 364	30 36		3 20E+00	4 73
7 600	-1 383	0 1600	9 60000	1 383	30 35		3 25E+00	4 78
7 800	-1 396	0 1633	9 80000	1 396	30 33		3 28E+00	4 81
8 000	-1 414	0 1667	10 00000	1 414	30 31		3 32E+00	4 85
8 200	-1 430	0 1700	10 20000	1 430	30 30		3 36E+00	4 89
8 400	-1 449	0 1733	10 40000	1 449	30 28		3 40E+00	4 93
8 600	-1 468	0 1767	10 60000	1 468	30 26		3 45E+00	4 98
8 800	-1 484	0 1800	10 80000	1 484	30 24		3 48E+00	5 01
9 000	-1 500	0 1833	11 00000	1 500	30 23		3 52E+00	5 05
9 200	-1 518	0 1867	11 20000	1 518	30 21		3 56E+00	5 09
9 400	-1 537	0 1900	11 40000	1 537	30 19		3 61E+00	5 14

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
9 600	-1 553	0 1933	11 60000	1 553	30 18	3 65E+00	5 17	
9 800	-1 572	0 1967	11 80000	1 572	30 16	3 69E+00	5 22	
10 000	-1 588	0 2000	12 00000	1 588	30 14	3 73E+00	5 26	
12 000	-1 752	0 2333	14 00000	1 752	29 98	4 11E+00	5 64	
14 000	-1 919	0 2667	16 00000	1 919	29 81	4 51E+00	6 03	
16 000	-2 083	0 3000	18 00000	2 083	29 65	4 89E+00	6 42	
18 000	-2 243	0 3333	20 00000	2 243	29 49	5 27E+00	6 79	
20 000	-2 347	0 3667	22 00000	2 347	29 38	5 51E+00	7 04	
22 000	-2 391	0 4000	24 00000	2 391	29 34	5 61E+00	7 14	
24 000	-2 423	0 4333	26 00000	2 423	29 31	5 69E+00	7 22	
26 000	-2 448	0 4667	28 00000	2 448	29 28	5 75E+00	7 28	
28 000	-2 470	0 5000	30 00000	2 470	29 26	5 80E+00	7 33	
30 000	-2 489	0 5333	32 00000	2 489	29 24	5 84E+00	7 37	
32 000	-2 511	0 5667	34 00000	2 511	29 22	5 90E+00	7 42	
34 000	-2 530	0 6000	36 00000	2 530	29 20	5 94E+00	7 47	
36 000	-2 546	0 6333	38 00000	2 546	29 18	5 98E+00	7 51	
38 000	-2 565	0 6667	40 00000	2 565	29 16	6 02E+00	7 55	
40 000	-2 581	0 7000	42 00000	2 581	29 15	6 06E+00	7 59	
42 000	-2 596	0 7333	44 00000	2 596	29 13	6 09E+00	7 62	
44 000	-2 615	0 7667	46 00000	2 615	29 11	6 14E+00	7 67	
46 000	-2 631	0 8000	48 00000	2 631	29 10	6 18E+00	7 71	
48 000	-2 647	0 8333	50 00000	2 647	29 08	6 21E+00	7 74	
50 000	-2 659	0 8667	52 00000	2 659	29 07	6 24E+00	7 77	
52 000	-2 675	0 9000	54 00000	2 675	29 05	6 28E+00	7 81	
54 000	-2 688	0 9333	56 00000	2 688	29 04	6 31E+00	7 84	
56 000	-2 703	0 9667	58 00000	2 703	29 03	6 35E+00	7 87	
58 000	-2 716	1 0000	60 00000	2 716	29 01	6 38E+00	7 91	
60 000	-2 729	1 0333	62 00000	2 729	29 00	6 41E+00	7 94	
62 000	-2 744	1 0667	64 00000	2 744	28 98	6 44E+00	7 97	
64 000	-2 760	1 1000	66 00000	2 760	28 97	6 48E+00	8 01	
66 000	-2 773	1 1333	68 00000	2 773	28 96	6 51E+00	8 04	
68 000	-2 785	1 1667	70 00000	2 785	28 94	6 54E+00	8 07	
70 000	-2 801	1 2000	72 00000	2 801	28 93	6 58E+00	8 10	
72 000	-2 814	1 2333	74 00000	2 814	28 91	6 61E+00	8 14	
74 000	-2 830	1 2667	76 00000	2 830	28 90	6 64E+00	8 17	
76 000	-2 845	1 3000	78 00000	2 845	28 88	6 68E+00	8 21	
78 000	-2 861	1 3333	80 00000	2 861	28 87	6 72E+00	8 25	
80 000	-2 874	1 3667	82 00000	2 874	28 85	6 75E+00	8 28	
82 000	-2 889	1 4000	84 00000	2 889	28 84	6 78E+00	8 31	
84 000	-2 899	1 4333	86 00000	2 899	28 83	6 81E+00	8 33	
86 000	-2 915	1 4667	88 00000	2 915	28 81	6 84E+00	8 37	
88 000	-2 924	1 5000	90 00000	2 924	28 80	6 87E+00	8 39	
90 000	-2 937	1 5333	92 00000	2 937	28 79	6 90E+00	8 42	
92 000	-2 946	1 5667	94 00000	2 946	28 78	6 92E+00	8 45	
94 000	-2 956	1 6000	96 00000	2 956	28 77	6 94E+00	8 47	
96 000	-2 968	1 6333	98 00000	2 968	28 76	6 97E+00	8 50	
98 000	-2 974	1 6667	100 00000	2 974	28 75	6 98E+00	8 51	
100 000	-2 984	1 7000	102 00000	2 984	28 74	7 01E+00	8 53	
120 000	-3 060	2 0333	122 00000	3 060	28 67	7 18E+00	8 71	
140 000	-3 135	2 3667	142 00000	3 135	28 59	7 36E+00	8 89	
160 000	-3 198	2 7000	162 00000	3 198	28 53	7 51E+00	9 04	
180 000	-3 258	3 0333	182 00000	3 258	28 47	7 65E+00	9 18	
200 000	-3 299	3 3667	202 00000	3 299	28 43	7 75E+00	9 27	
220 000	-3 359	3 7000	222 00000	3 359	28 37	7 89E+00	9 41	
240 000	-3 403	4 0333	242 00000	3 403	28 33	7 99E+00	9 52	
260 000	-3 441	4 3667	262 00000	3 441	28 29	8 08E+00	9 61	
280 000	-3 479	4 7000	282 00000	3 479	28 25	8 17E+00	9 70	
300 000	-3 495	5 0333	302 00000	3 495	28 23	8 21E+00	9 73	
320 000	-3 539	5 3667	322 00000	3 539	28 19	8 31E+00	9 84	
340 000	-3 554	5 7000	342 00000	3 554	28 17	8 34E+00	9 87	
360 000	-3 589	6 0333	362 00000	3 589	28 14	8 43E+00	9 95	
380 000	-3 599	6 3667	382 00000	3 599	28 13	8 45E+00	9 98	
400 000	-3 621	6 7000	402 00000	3 621	28 11	8 50E+00	10 03	
420 000	-3 655	7 0333	422 00000	3 655	28 07	8 58E+00	10 11	
440 000	-3 658	7 3667	442 00000	3 658	28 07	8 59E+00	10 12	
460 000	-3 684	7 7000	462 00000	3 684	28 04	8 65E+00	10 18	
480 000	-3 706	8 0333	482 00000	3 706	28 02	8 70E+00	10 23	
500 000	-3 718	8 3667	502 00000	3 718	28 01	8 73E+00	10 26	
520 000	-3 731	8 7000	522 00000	3 731	28 00	8 76E+00	10 29	
540 000	-3 737	9 0333	542 00000	3 737	27 99	8 77E+00	10 30	
560 000	-3 750	9 3667	562 00000	3 750	27 98	8 80E+00	10 33	
580 000	-3 762	9 7000	582 00000	3 762	27 97	8 83E+00	10 36	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
600 000	-3 781	10 0333	602 00000	3 781	27 95	8 88E+00	10 41	
620 000	-3 788	10 3667	622 00000	3 788	27 94	8 89E+00	10 42	
640 000	-3 797	10 7000	642 00000	3 797	27 93	8 91E+00	10 44	
660 000	-3 803	11 0333	662 00000	3 803	27 93	8 93E+00	10 46	
680 000	-3 813	11 3667	682 00000	3 813	27 92	8 95E+00	10 48	
700 000	-3 819	11 7000	702 00000	3 819	27 91	8 97E+00	10 49	
720 000	-3 822	12 0333	722 00000	3 822	27 91	8 97E+00	10 50	
740 000	-3 826	12 3667	742 00000	3 826	27 90	8 98E+00	10 51	
760 000	-3 829	12 7000	762 00000	3 829	27 90	8 99E+00	10 52	
780 000	-3 835	13 0333	782 00000	3 835	27 89	9 00E+00	10 53	
800 000	-3 838	13 3667	802 00000	3 838	27 89	9 01E+00	10 54	
820 000	-3 841	13 7000	822 00000	3 841	27 89	9 02E+00	10 55	
840 000	-3 844	14 0333	842 00000	3 844	27 88	9 03E+00	10 55	
860 000	-3 848	14 3667	862 00000	3 848	27 88	9 03E+00	10 56	
880 000	-3 851	14 7000	882 00000	3 851	27 88	9 04E+00	10 57	
900 000	-3 854	15 0333	902 00000	3 854	27 87	9 05E+00	10 58	
920 000	-3 857	15 3667	922 00000	3 857	27 87	9 06E+00	10 58	
940 000	-3 860	15 7000	942 00000	3 860	27 87	9 06E+00	10 59	
960 000	-3 860	16 0333	962 00000	3 860	27 87	9 06E+00	10 59	
980 000	-3 863	16 3667	982 00000	3 863	27 87	9 07E+00	10 60	
1000 000	-3 867	16 7000	1002 00000	3 867	27 86	9 08E+00	10 61	
1200 000	-3 885	20 0333	1202 00000	3 885	27 84	9 12E+00	10 65	
1400 000	-3 873	23 3667	1402 00000	3 873	27 86	9 09E+00	10 62	
1600 000	-3 863	26 7000	1602 00000	3 863	27 87	9 07E+00	10 60	
1800 000	-3 870	30 0333	1802 00000	3 870	27 86	9 09E+00	10 61	
2000 000	-3 898	33 3667	2002 00000	3 898	27 83	9 15E+00	10 68	
2200 000	-3 882	36 7000	2202 00000	3 882	27 85	9 11E+00	10 64	
2400 000	-3 873	40 0333	2402 00000	3 873	27 86	9 09E+00	10 62	
2600 000	-3 876	43 3667	2602 00000	3 876	27 85	9 10E+00	10 63	
2800 000	-3 863	46 7000	2802 00000	3 863	27 87	9 07E+00	10 60	
3000 000	-3 857	50 0333	3002 00000	3 857	27 87	9 06E+00	10 58	
3200 000	-3 857	53 3667	3202 00000	3 857	27 87	9 06E+00	10 58	
3400 000	-3 876	56 7000	3402 00000	3 876	27 85	9 10E+00	10 63	
3600 000	-3 882	60 0333	3602 00000	3 882	27 85	9 11E+00	10 64	
3800 000	-3 873	63 3667	3802 00000	3 873	27 86	9 09E+00	10 62	
4000 000	-3 867	66 7000	4002 00000	3 867	27 86	9 08E+00	10 61	
4200 000	-3 854	70 0333	4202 00000	3 854	27 87	9 05E+00	10 58	
4400 000	-3 835	73 3667	4402 00000	3 835	27 89	9 00E+00	10 53	
4600 000	-3 826	76 7000	4602 00000	3 826	27 90	8 98E+00	10 51	
4800 000	-3 829	80 0333	4802 00000	3 829	27 90	8 99E+00	10 52	
5000 000	-3 832	83 3667	5002 00000	3 832	27 90	9 00E+00	10 53	
5200 000	-3 819	86 7000	5202 00000	3 819	27 91	8 97E+00	10 49	
5400 000	-3 829	90 0333	5402 00000	3 829	27 90	8 99E+00	10 52	
5600 000	-3 822	93 3667	5602 00000	3 822	27 91	8 97E+00	10 50	
5800 000	-3 800	96 7000	5802 00000	3 800	27 93	8 92E+00	10 45	
6000 000	-3 803	100 0333	6002 00000	3 803	27 93	8 93E+00	10 46	
6200 000	-3 822	103 3667	6202 00000	3 822	27 91	8 97E+00	10 50	
6400 000	-3 838	106 7000	6402 00000	3 838	27 89	9 01E+00	10 54	
6600 000	-3 822	110 0333	6602 00000	3 822	27 91	8 97E+00	10 50	
6800 000	-3 810	113 3667	6802 00000	3 810	27 92	8 95E+00	10 47	
7000 000	-3 803	116 7000	7002 00000	3 803	27 93	8 93E+00	10 46	
7200 000	-3 791	120 0333	7202 00000	3 791	27 94	8 90E+00	10 43	
7400 000	-3 785	123 3667	7402 00000	3 785	27 94	8 89E+00	10 41	
7600 000	-3 794	126 7000	7602 00000	3 794	27 93	8 91E+00	10 44	
7800 000	-3 788	130 0333	7802 00000	3 788	27 94	8 89E+00	10 42	
8000 000	-3 769	133 3667	8002 00000	3 769	27 96	8 85E+00	10 38	
8200 000	-3 747	136 7000	8202 00000	3 747	27 98	8 80E+00	10 33	
8400 000	-3 740	140 0333	8402 00000	3 740	27 99	8 78E+00	10 31	
8600 000	-3 734	143 3667	8602 00000	3 734	27 99	8 77E+00	10 30	
8800 000	-3 725	146 7000	8802 00000	3 725	28 00	8 75E+00	10 27	
9000 000	-3 728	150 0333	9002 00000	3 728	28 00	8 75E+00	10 28	
9200 000	-3 744	153 3667	9202 00000	3 744	27 98	8 79E+00	10 32	
9400 000	-3 740	156 7000	9402 00000	3 740	27 99	8 78E+00	10 31	
9600 000	-3 740	160 0333	9602 00000	3 740	27 99	8 78E+00	10 31	
9800 000	-3 744	163 3667	9802 00000	3 744	27 98	8 79E+00	10 32	
10000 000	-3 728	166 7000	10002 00000	3 728	28 00	8 75E+00	10 28	
11440 000	-3 684	190 7000	11442 00000	3 684	28 04	8 65E+00	10 18	
12880 000	-3 633	214 7000	12882 00000	3 633	28 10	8 53E+00	10 06	
14320 000	-3 602	238 7000	14322 00000	3 602	28 13	8 46E+00	9 99	
15760 000	-3 561	262 7000	15762 00000	3 561	28 17	8 36E+00	9 89	
17200 000	-3 551	286 7000	17202 00000	3 551	28 18	8 34E+00	9 87	
18640 000	-3 495	310 7000	18642 00000	3 495	28 23	8 21E+00	9 73	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(ftlc)	(liters)	(liters)
20080 000	-3 387	334 7000	20082 00000	3 387	28 34		7 95E+00	9 48
21520 000	-3 384	358 7000	21522.00000	3 384	28 34		7 95E+00	9 47
22960 000	-3 359	382 7000	22962 00000	3 359	28 37		7 89E+00	9 41
24400 000	-3 324	406 7000	24402 00000	3 324	28 40		7 80E+00	9 33
25840 000	-3 305	430 7000	25842 00000	3 305	28 42		7 76E+00	9 29
27280 000	-3 271	454 7000	27282 00000	3 271	28 46		7 68E+00	9 21
28720 000	-3 233	478 7000	28722 00000	3 233	28 50		7 59E+00	9 12
30160 000	-3 179	502 7000	30162 00000	3 179	28 55		7 46E+00	8 99
31600 000	-3 138	526 7000	31602 00000	3 138	28 59		7 37E+00	8 90

Well No. 07991

Measured recovery after sampling

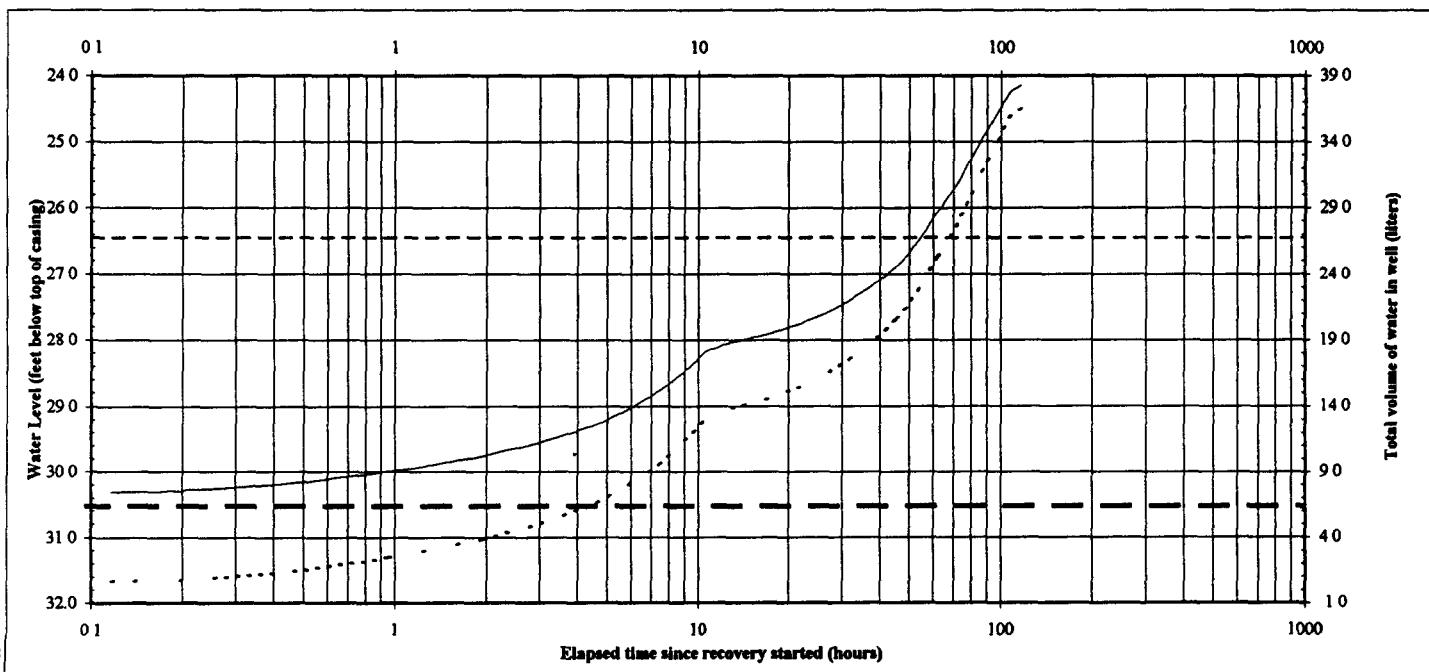
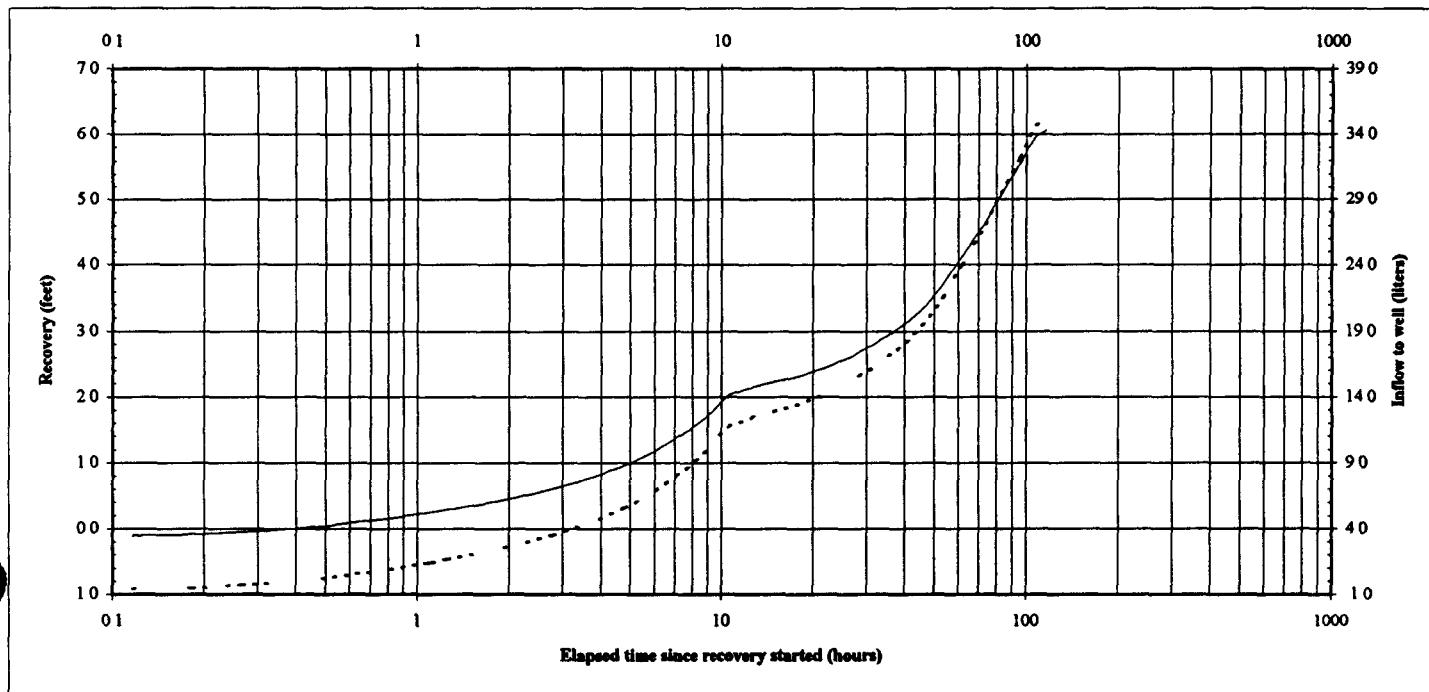
Date: 18-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume



Well No.

07991

Date Sampled

2nd quarter

18-May-94

	15:00		Delay	7 00	Minutes
Final bail time	15:00				
Set transducer time	15:15				
Static water level (pre-sampling)	26.3	feet below top of casing			
Final water level (post-recovery)	24.1	feet below top of casing			
Last recorded water level	23.3	feet below transducer			
Transducer Reference Depth	30.2	feet below top of casing			
Bottom of well	30.5	feet below top of casing			
First recorded water level	0.1	feet below transducer			
First recorded water level	30.3	feet below top of casing			
Water column remaining in casing after purging	0.2	feet			
Volume remaining in casing after purging	1.3	liters			
Well diameter	10.0	inches	0.833	feet	
Well radius	5.0	inches	0.417	feet	
Casing diameter	2.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	3.1	inches	0.255	feet	
Top of sandpack	13.4	feet below top of casing			
				0.62	liter/foot
				5.81	liter/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	0 100	0 1167	7 00000	-0 100	30 30	-6 39E-01	0 64
0 003	0 110	0 1167	7 00330	-0 110	30 31	-6 39E-01	0 64
0 007	0 110	0 1168	7 00660	-0 110	30 31	-6 39E-01	0 64
0 010	0 110	0 1168	7 00990	-0 110	30 31	-6 39E-01	0 64
0 013	0 110	0 1169	7 01330	-0 110	30 31	-6 39E-01	0 64
0 017	0 110	0 1169	7 01660	-0 110	30 31	-6 39E-01	0 64
0 020	0 110	0 1170	7 02000	-0 110	30 31	-6 39E-01	0 64
0 023	0 110	0 1171	7 02330	-0 110	30 31	-6 39E-01	0 64
0 027	0 110	0 1171	7 02660	-0 110	30 31	-6 39E-01	0 64
0 030	0 110	0 1172	7 03000	-0 110	30 31	-6 39E-01	0 64
0 033	0 110	0 1172	7 03330	-0 110	30 31	-6 39E-01	0 64
0 050	0 100	0 1175	7 05000	-0 100	30 30	-5 81E-01	0 70
0 067	0 100	0 1178	7 06660	-0 100	30 30	-5 81E-01	0 70
0 083	0 100	0 1181	7 08330	-0 100	30 30	-5 81E-01	0 70
0 100	0 100	0 1183	7 10000	-0 100	30 30	-5 81E-01	0 70
0 117	0 100	0 1186	7 11660	-0 100	30 30	-5 81E-01	0 70
0 133	0 100	0 1189	7 13330	-0 100	30 30	-5 81E-01	0 70
0 150	0 100	0 1192	7 15000	-0 100	30 30	-5 81E-01	0 70
0 167	0 100	0 1194	7 16660	-0 100	30 30	-5 81E-01	0 70
0 183	0 100	0 1197	7 18330	-0 100	30 30	-5 81E-01	0 70
0 200	0 100	0 1200	7 20000	-0 100	30 30	-5 81E-01	0 70
0 217	0 100	0 1203	7 21660	-0 100	30 30	-5 81E-01	0 70
0 233	0 100	0 1206	7 23330	-0 100	30 30	-5 81E-01	0 70
0 250	0 100	0 1208	7 25000	-0 100	30 30	-5 81E-01	0 70
0 267	0 100	0 1211	7 26660	-0 100	30 30	-5 81E-01	0 70
0 283	0 100	0 1214	7 28330	-0 100	30 30	-5 81E-01	0 70
0 300	0 110	0 1217	7 30000	-0 110	30 31	-6 39E-01	0 64
0 317	0 110	0 1219	7 31660	-0 110	30 31	-6 39E-01	0 64
0 333	0 110	0 1222	7 33330	-0 110	30 31	-6 39E-01	0 64
0 417	0 110	0 1236	7 41670	-0 110	30 31	-6 39E-01	0 64
0 500	0 100	0 1250	7 50000	-0 100	30 30	-5 81E-01	0 70
0 583	0 100	0 1264	7 58330	-0 100	30 30	-5 81E-01	0 70
0 667	0 100	0 1278	7 66670	-0 100	30 30	-5 81E-01	0 70
0 750	0 100	0 1292	7 75000	-0 100	30 30	-5 81E-01	0 70
0 833	0 100	0 1306	7 83330	-0 100	30 30	-5 81E-01	0 70
0 917	0 100	0 1319	7 91670	-0 100	30 30	-5 81E-01	0 70
1 000	0 100	0 1333	8 00000	-0 100	30 30	-5 81E-01	0 70
1 083	0 100	0 1347	8 08330	-0 100	30 30	-5 81E-01	0 70
1 167	0 100	0 1361	8 16670	-0 100	30 30	-5 81E-01	0 70
1 250	0 100	0 1375	8 25000	-0 100	30 30	-5 81E-01	0 70
1 333	0 100	0 1389	8 33330	-0 100	30 30	-5 81E-01	0 70

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
	1 417	0 100	0 1403	8 41660	-0 100	30 30	-5 81E-01	0 70
	1 500	0 100	0 1417	8 50000	-0 100	30 30	-5 81E-01	0 70
	1 583	0 100	0 1431	8 58330	-0 100	30 30	-5 81E-01	0 70
	1 667	0 100	0 1444	8.66670	-0 100	30 30	-5 81E-01	0 70
	1 750	0 100	0 1458	8 75000	-0 100	30 30	-5 81E-01	0 70
	1 833	0 100	0 1472	8 83330	-0 100	30 30	-5 81E-01	0 70
	1 917	0 100	0 1486	8 91670	-0 100	30 30	-5 81E-01	0 70
	2 000	0 100	0 1500	9 00000	-0 100	30 30	-5 81E-01	0 70
	2 500	0 100	0 1583	9 50000	-0 100	30 30	-5 81E-01	0 70
	3 000	0 100	0 1667	10 00000	-0 100	30 30	-5 81E-01	0 70
	3 500	0 090	0 1750	10 50000	-0 090	30 29	-5 23E-01	0 76
	4 000	0 080	0 1833	11 00000	-0 080	30 28	-4 65E-01	0 81
	4 500	0 090	0 1917	11 50000	-0 090	30 29	-5 23E-01	0 76
	5 000	0 090	0 2000	12 00000	-0 090	30 29	-5 23E-01	0 76
	5 500	0 070	0 2083	12.50000	-0 070	30 27	-4 07E-01	0 87
	6 000	0 070	0 2167	13 00000	-0 070	30 27	-4 07E-01	0 87
	6 500	0 070	0 2250	13 50000	-0 070	30 27	-4 07E-01	0 87
	7 000	0 060	0 2333	14 00000	-0 060	30 26	-3 48E-01	0 93
	7 500	0 060	0 2417	14 50000	-0 060	30 26	-3 48E-01	0 93
	8 000	0 060	0 2500	15 00000	-0 060	30 26	-3 48E-01	0 93
	8 500	0 050	0 2583	15 50000	-0 050	30 25	-2.90E-01	0 99
	9 000	0 050	0 2667	16 00000	-0 050	30 25	-2.90E-01	0 99
	9 500	0 050	0 2750	16 50000	-0 050	30 25	-2.90E-01	0 99
	10 000	0 040	0 2833	17 00000	-0 040	30 24	-2.32E-01	1 05
	12.000	0 030	0 3167	19 00000	-0 030	30 23	-1 74E-01	1 10
	14 000	0 010	0 3500	21 00000	-0 010	30 21	-5 81E-02	1 22
	16 000	0 000	0 3833	23 00000	0 000	30 20	0 00E+00	1 28
	18 000	-0 010	0 4167	25 00000	0 010	30 19	5 81E-02	1 34
	20 000	-0 030	0 4500	27 00000	0 030	30 17	1 74E-01	1 45
	22 000	-0 040	0 4833	29 00000	0 040	30 16	2.32E-01	1 51
	24 000	-0 050	0 5167	31 00000	0 050	30 15	2 90E-01	1 57
	26 000	-0 070	0 5500	33 00000	0 070	30 13	4 07E-01	1 68
	28 000	-0 080	0 5833	35 00000	0 080	30 12	4 65E-01	1 74
	30 000	-0 100	0 6167	37 00000	0 100	30 10	5 81E-01	1 86
	32 000	-0 110	0 6500	39 00000	0 110	30 09	6 39E-01	1 92
	34 000	-0 120	0 6833	41 00000	0 120	30 08	6 97E-01	1 97
	36 000	-0 130	0 7167	43 00000	0 130	30 07	7 55E-01	2 03
	38 000	-0 140	0 7500	45 00000	0 140	30 06	8 13E-01	2 09
	40 000	-0 150	0 7833	47 00000	0 150	30 05	8 71E-01	2 15
	42 000	-0 160	0 8167	49 00000	0 160	30 04	9 29E-01	2 21
	44 000	-0 170	0 8500	51 00000	0 170	30 03	9 87E-01	2 27
	46 000	-0 180	0 8833	53 00000	0 180	30 02	1 05E+00	2 32
	48 000	-0 200	0 9167	55 00000	0 200	30 00	1 16E+00	2 44
	50 000	-0 210	0 9500	57 00000	0 210	29 99	1 22E+00	2 50
	52 000	-0 220	0 9833	59 00000	0 220	29 98	1 28E+00	2 56
	54 000	-0 230	1 0167	61 00000	0 230	29 97	1 34E+00	2 61
	56 000	-0 230	1 0500	63 00000	0 230	29 97	1 34E+00	2 61
	58 000	-0 240	1 0833	65 00000	0 240	29 96	1 39E+00	2 67
	60 000	-0 250	1 1167	67 00000	0 250	29 95	1 45E+00	2 73
	62 000	-0 260	1 1500	69 00000	0 260	29 94	1 51E+00	2 79
	64 000	-0 270	1 1833	71 00000	0 270	29 93	1 57E+00	2 85
	66 000	-0 280	1 2167	73 00000	0 280	29 92	1 63E+00	2 90
	68 000	-0 290	1 2500	75 00000	0 290	29 91	1 68E+00	2 96
	70 000	-0 300	1 2833	77 00000	0 300	29 90	1 74E+00	3 02
	72 000	-0 300	1 3167	79 00000	0 300	29 90	1 74E+00	3 02
	74 000	-0 310	1 3500	81 00000	0 310	29 89	1 80E+00	3 08
	76 000	-0 320	1 3833	83 00000	0 320	29 88	1 86E+00	3 14
	78 000	-0 330	1 4167	85 00000	0 330	29 87	1 92E+00	3 19
	80 000	-0 340	1 4500	87 00000	0 340	29 86	1 97E+00	3 25
	82 000	-0 350	1 4833	89 00000	0 350	29 85	2 03E+00	3 31
	84 000	-0 350	1 5167	91 00000	0 350	29 85	2.03E+00	3 31
	86 000	-0 360	1 5500	93 00000	0 360	29 84	2.09E+00	3 37
	88 000	-0 370	1 5833	95 00000	0 370	29 83	2 15E+00	3 43
	90 000	-0 380	1 6167	97 00000	0 380	29 82	2 21E+00	3 48
	92 000	-0 380	1 6500	99 00000	0 380	29 82	2 21E+00	3 48
	94 000	-0 390	1 6833	101 00000	0 390	29 81	2.27E+00	3 54
	96 000	-0 400	1 7167	103 00000	0 400	29 80	2.32E+00	3 60
	98 000	-0 410	1 7500	105 00000	0 410	29 79	2.38E+00	3 66
	100 000	-0 410	1 7833	107 00000	0 410	29 79	2.38E+00	3 66
	110 000	-0 450	1 9500	117 00000	0 450	29 75	2.61E+00	3 89
	120 000	-0 480	2.1167	127 00000	0 480	29 72	2.79E+00	4 07
	130 000	-0 520	2.2833	137 00000	0.520	29 68	3 02E+00	4 30
	140 000	-0 550	2 4500	147 00000	0 550	29 65	3 19E+00	4 47
	150 000	-0 580	2 6167	157 00000	0 580	29 62	3 37E+00	4 65
	160 000	-0 610	2.7833	167 00000	0 610	29 59	3 54E+00	4 82

Input data						Cumulative	Inflow	Volume of water in well
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final fall (minutes)	Recovery	water level	(Liters)	(Liters)
	(minutes)	(feet)	(hours)		(Feet of water)	(ftbc)		
170 000	-0 640	2.9500		177 00000	0 640	29 56	3 72E+00	4 99
180 000	-0 670	3 1167		187 00000	0 670	29 53	3 89E+00	5 17
190 000	-0 700	3 2833		197 00000	0 700	29 50	4 07E+00	5 34
200 000	-0 730	3 4500		207 00000	0 730	29 47	4 24E+00	5 52
210 000	-0 760	3 6167		217 00000	0 760	29 44	4 41E+00	5 69
220 000	-0 790	3 7833		227 00000	0 790	29 41	4 59E+00	5 87
230 000	-0 820	3 9500		237 00000	0 820	29 38	4 76E+00	6 04
240 000	-0 850	4 1167		247 00000	0 850	29 35	4 94E+00	6 21
250 000	-0 880	4 2833		257 00000	0 880	29 32	5 11E+00	6 39
260 000	-0 900	4 4500		267 00000	0 900	29 30	5 23E+00	6 50
270 000	-0 930	4 6167		277 00000	0 930	29 27	5 40E+00	6 68
280 000	-0 960	4 7833		287 00000	0 960	29 24	5 58E+00	6 85
290 000	-0 990	4 9500		297 00000	0 990	29 21	5 75E+00	7 03
300 000	-1 020	5 1167		307 00000	1 020	29 18	5 92E+00	7 20
310 000	-1 050	5 2833		317 00000	1 050	29 15	6 10E+00	7 38
320 000	-1 080	5 4500		327 00000	1 080	29 12	6 27E+00	7 55
330 000	-1 110	5 6167		337 00000	1 110	29 09	6 45E+00	7 72
340 000	-1 140	5 7833		347 00000	1 140	29 06	6 62E+00	7 90
350 000	-1 170	5 9500		357 00000	1 170	29 03	6 80E+00	8 07
360 000	-1 200	6 1167		367 00000	1 200	29 00	6 97E+00	8 25
370 000	-1 230	6 2833		377 00000	1 230	28 97	7 14E+00	8 42
380 000	-1 260	6 4500		387 00000	1 260	28 94	7 32E+00	8 60
390 000	-1 290	6 6167		397 00000	1 290	28 91	7 49E+00	8 77
400 000	-1 320	6.7833		407 00000	1 320	28 88	7 67E+00	8 94
410 000	-1 350	6 9500		417 00000	1 350	28 85	7 84E+00	9 12
420 000	-1 380	7 1167		427 00000	1 380	28 82	8 01E+00	9 29
430 000	-1 410	7 2833		437 00000	1 410	28 79	8 19E+00	9 47
440 000	-1 430	7 4500		447 00000	1 430	28 77	8 31E+00	9 58
450 000	-1 470	7 6167		457 00000	1 470	28 73	8 54E+00	9 82
460 000	-1 490	7 7833		467 00000	1 490	28 71	8 65E+00	9 93
470 000	-1 530	7 9500		477 00000	1 530	28 67	8 89E+00	10 16
480 000	-1 560	8 1167		487 00000	1 560	28 64	9 06E+00	10 34
490 000	-1 590	8 2833		497 00000	1 590	28 61	9 23E+00	10 51
500 000	-1 620	8 4500		507 00000	1 620	28 58	9 41E+00	10 69
510 000	-1 650	8 6167		517 00000	1 650	28 55	9 58E+00	10 86
520 000	-1 680	8 7833		527 00000	1 680	28 52	9 76E+00	11 03
530 000	-1 710	8 9500		537 00000	1 710	28 49	9 93E+00	11 21
540 000	-1 750	9 1167		547 00000	1 750	28 45	1 02E+01	11 44
550 000	-1 770	9 2833		557 00000	1 770	28 43	1 03E+01	11 56
560 000	-1 810	9 4500		567 00000	1 810	28 39	1 05E+01	11 79
570 000	-1 840	9 6167		577 00000	1 840	28 36	1 07E+01	11 96
580 000	-1 870	9 7833		587 00000	1 870	28 33	1 09E+01	12 14
590 000	-1 910	9 9500		597 00000	1 910	28 29	1 11E+01	12 37
600 000	-1 940	10 1167		607 00000	1 940	28 26	1 13E+01	12 54
610 000	-1 970	10 2833		617 00000	1 970	28 23	1 14E+01	12 72
620 000	-2.010	10 4500		627 00000	2.010	28 19	1 17E+01	12 95
630 000	-2.030	10 6167		637 00000	2.030	28 17	1 18E+01	13 07
640 000	-2.040	10 7833		647 00000	2.040	28 16	1 18E+01	13 13
650 000	-2.050	10 9500		657 00000	2.050	28 15	1 19E+01	13 18
660 000	-2.070	11 1167		667 00000	2.070	28 13	1 20E+01	13 30
670 000	-2.070	11 2833		677 00000	2.070	28 13	1 20E+01	13 30
680 000	-2.080	11 4500		687 00000	2.080	28 12	1 21E+01	13 36
690 000	-2.090	11 6167		697 00000	2.090	28 11	1 21E+01	13 42
700 000	-2.100	11 7833		707 00000	2.100	28 10	1 22E+01	13 47
710 000	-2.110	11 9500		717 00000	2.110	28 09	1 23E+01	13 53
720 000	-2 120	12.1167		727 00000	2.120	28 08	1 23E+01	13 59
730 000	-2 130	12.2833		737 00000	2.130	28 07	1 24E+01	13 65
740 000	-2 130	12.4500		747 00000	2 130	28 07	1 24E+01	13 65
750 000	-2 140	12.6167		757 00000	2 140	28 06	1 24E+01	13 71
760 000	-2 160	12 7833		767 00000	2 160	28 04	1 25E+01	13 82
770 000	-2 170	12 9500		777 00000	2 170	28 03	1 26E+01	13 88
780 000	-2 170	13 1167		787 00000	2 170	28 03	1 26E+01	13 88
790 000	-2 180	13 2833		797 00000	2 180	28 02	1 27E+01	13 94
800 000	-2 180	13 4500		807 00000	2 180	28 02	1 27E+01	13 94
810 000	-2 190	13 6167		817 00000	2 190	28 01	1 27E+01	14 00
820 000	-2 190	13 7833		827 00000	2 190	28 01	1 27E+01	14 00
830 000	-2.200	13 9500		837 00000	2.200	28 00	1 28E+01	14 05
840 000	-2.200	14 1167		847 00000	2.200	28 00	1 28E+01	14 05
850 000	-2 210	14 2833		857 00000	2.210	27 99	1 28E+01	14 11
860 000	-2 210	14 4500		867 00000	2.210	27 99	1 28E+01	14 11
870 000	-2 220	14 6167		877 00000	2.220	27 98	1 29E+01	14 17
880 000	-2 220	14 7833		887 00000	2.220	27 98	1 29E+01	14 17
890 000	-2.230	14 9500		897 00000	2.230	27 97	1 30E+01	14 23
900 000	-2.240	15 1167		907 00000	2.240	27 96	1 30E+01	14 29
910 000	-2.240	15 2833		917 00000	2.240	27 96	1 30E+01	14 29

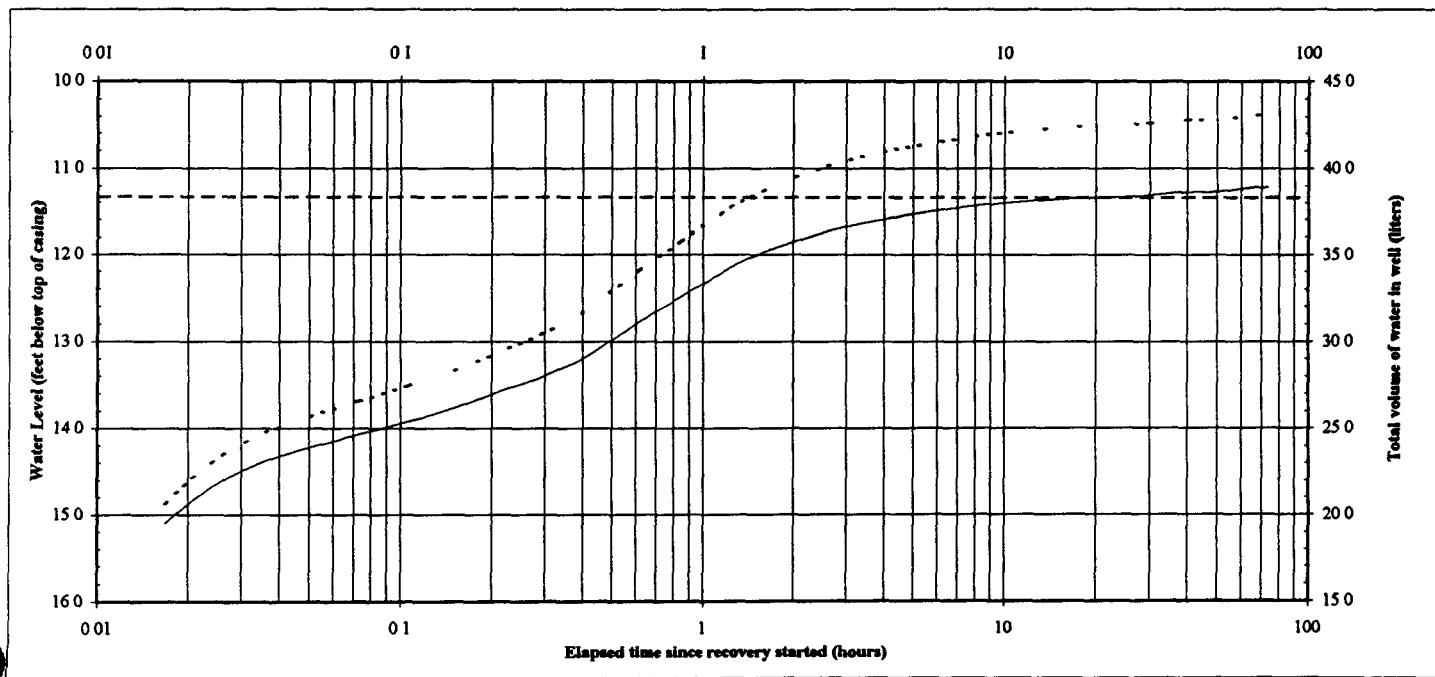
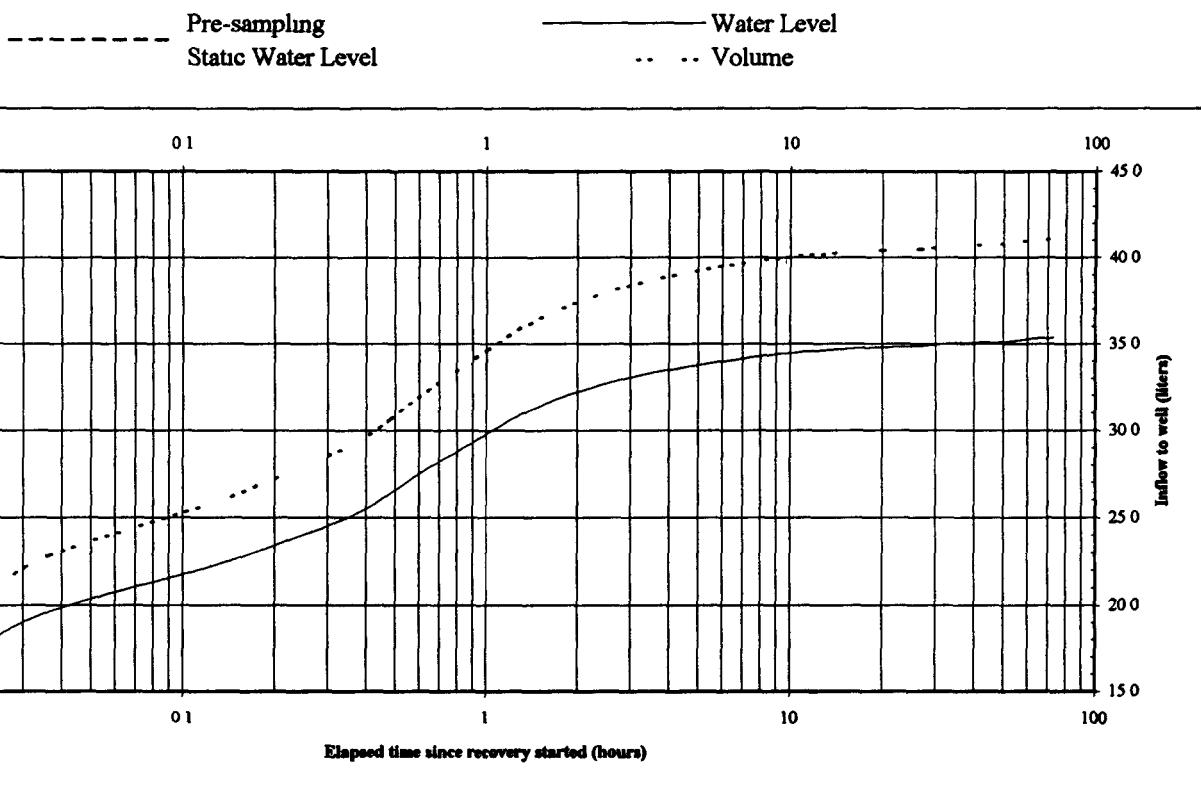
Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (Liters)	water in well (Liters)
920 000	-2.250	15 4500	927 00000	2.250	27 95	1 31E+01	14 35	
930 000	-2.250	15 6167	937 00000	2.250	27 95	1 31E+01	14 35	
940 000	-2.250	15 7833	947 00000	2.250	27 95	1 31E+01	14 35	
950 000	-2.260	15 9500	957 00000	2.260	27 94	1 31E+01	14 40	
960 000	-2.260	16 1167	967 00000	2.260	27 94	1 31E+01	14 40	
970 000	-2.270	16 2833	977 00000	2.270	27 93	1 32E+01	14 46	
980 000	-2.270	16.4500	987 00000	2.270	27 93	1 32E+01	14 46	
990 000	-2.280	16.6167	997 00000	2.280	27 92	1 32E+01	14 52	
1000 000	-2.280	16.7833	1007 00000	2.280	27 92	1 32E+01	14 52	
1100 000	-2.330	18 4500	1107 00000	2.330	27 87	1 35E+01	14 81	
1200 000	-2.390	20 1167	1207 00000	2.390	27 81	1 39E+01	15 16	
1300 000	-2.440	21 7833	1307 00000	2.440	27 76	1 42E+01	15 45	
1400 000	-2.500	23 4500	1407 00000	2.500	27 70	1 45E+01	15 80	
1500 000	-2.560	25 1167	1507 00000	2.560	27 64	1 49E+01	16 15	
1600 000	-2.610	26 7833	1607 00000	2.610	27 59	1 52E+01	16 44	
1700 000	-2.680	28 4500	1707 00000	2.680	27 52	1 56E+01	16 84	
1800 000	-2.740	30 1167	1807 00000	2.740	27 46	1 59E+01	17 19	
1900 000	-2.800	31 7833	1907 00000	2.800	27 40	1 63E+01	17 54	
2000 000	-2.870	33 4500	2007 00000	2.870	27 33	1 67E+01	17 95	
2100 000	-2.930	35 1167	2107 00000	2.930	27 27	1 70E+01	18 29	
2200 000	-2.990	36 7833	2207 00000	2.990	27 21	1 74E+01	18 64	
2300 000	-3 050	38 4500	2307 00000	3 050	27 15	1 77E+01	18 99	
2400 000	-3 100	40 1167	2407 00000	3 100	27 10	1 80E+01	19 28	
2500 000	-3 170	41 7833	2507 00000	3 170	27 03	1 84E+01	19 69	
2600 000	-3 240	43 4500	2607 00000	3 240	26 96	1 88E+01	20 09	
2700 000	-3 310	45 1167	2707 00000	3 310	26 89	1 92E+01	20 50	
2800 000	-3 380	46 7833	2807 00000	3 380	26 82	1 96E+01	20 91	
2900 000	-3 460	48 4500	2907 00000	3 460	26 74	2 01E+01	21 37	
3000 000	-3 540	50 1167	3007 00000	3 540	26.66	2 06E+01	21 84	
3100 000	-3 620	51 7833	3107 00000	3 620	26 58	2 10E+01	22 30	
3200 000	-3 700	53 4500	3207 00000	3 700	26 50	2 15E+01	22 77	
3300 000	-3 790	55 1167	3307 00000	3 790	26 41	2 20E+01	23 29	
3400 000	-3 880	56.7833	3407 00000	3 880	26 32	2 25E+01	23 81	
3500 000	-3 970	58 4500	3507 00000	3 970	26.23	2.31E+01	24 33	
3600 000	-4 060	60 1167	3607 00000	4 060	26.14	2.36E+01	24 86	
3700 000	-4 130	61 7833	3707 00000	4 130	26 07	2.40E+01	25 26	
3800 000	-4 200	63 4500	3807 00000	4 200	26 00	2.44E+01	25 67	
3900 000	-4 280	65 1167	3907 00000	4 280	25 92	2.49E+01	26 13	
4000 000	-4 360	66 7833	4007 00000	4 360	25 84	2.53E+01	26.60	
4100 000	-4 430	68 4500	4107 00000	4 430	25 77	2.57E+01	27 01	
4200 000	-4 490	70 1167	4207 00000	4 490	25 71	2.61E+01	27 35	
4300 000	-4 560	71 7833	4307 00000	4 560	25 64	2.65E+01	27 76	
4400 000	-4 630	73 4500	4407 00000	4 630	25 57	2.69E+01	28 17	
4500 000	-4 720	75 1167	4507 00000	4 720	25 48	2.74E+01	28 69	
4600 000	-4 810	76 7833	4607 00000	4 810	25 39	2.79E+01	29 21	
4700 000	-4 890	78 4500	4707 00000	4 890	25 31	2.84E+01	29 68	
4800 000	-4 960	80 1167	4807 00000	4 960	25 24	2.88E+01	30 08	
4900 000	-5 030	81 7833	4907 00000	5 030	25 17	2.92E+01	30 49	
5000 000	-5 100	83 4500	5007 00000	5 100	25 10	2.96E+01	30 90	
5100 000	-5 170	85 1167	5107 00000	5 170	25 03	3.00E+01	31 30	
5200 000	-5 250	86 7833	5207 00000	5 250	24 95	3.05E+01	31 77	
5300 000	-5 310	88 4500	5307 00000	5 310	24 89	3.08E+01	32.12	
5400 000	-5 370	90 1167	5407 00000	5 370	24 83	3.12E+01	32.47	
5500 000	-5 430	91 7833	5507 00000	5 430	24 77	3.15E+01	32.81	
5600 000	-5 490	93 4500	5607 00000	5 490	24 71	3.19E+01	33 16	
5700 000	-5 540	95 1167	5707 00000	5 540	24 66	3.22E+01	33 45	
5800 000	-5 600	96 7833	5807 00000	5 600	24 60	3.25E+01	33 80	
5900 000	-5 660	98 4500	5907 00000	5 660	24 54	3.29E+01	34 15	
6000 000	-5 740	100 1167	6007 00000	5 740	24 46	3.33E+01	34 61	
6100 000	-5 800	101 7833	6107 00000	5 800	24 40	3.37E+01	34 96	
6200 000	-5 850	103 4500	6207 00000	5 850	24 35	3.40E+01	35 25	
6300 000	-5 900	105 1167	6307 00000	5 900	24 30	3.43E+01	35 54	
6400 000	-5 940	106 7833	6407 00000	5 940	24 26	3.45E+01	35 78	
6500 000	-5 980	108 4500	6507 00000	5 980	24 22	3.47E+01	36 01	
6600 000	-6 000	110 1167	6607 00000	6 000	24 20	3.48E+01	36 12	
6700 000	-6 010	111 7833	6707 00000	6 010	24 19	3.49E+01	36 18	
6800 000	-6 030	113 4500	6807 00000	6 030	24 17	3.50E+01	36 30	
6900 000	-6 050	115 1167	6907 00000	6 050	24 15	3.51E+01	36 41	
7000 000	-6 070	116 7833	7007 00000	6 070	24 13	3.53E+01	36 53	

Well No. 09691

Measured recovery after sampling

Date: 3-Jun-94

2nd quarter 1994



Bottom of well at 18.39 fbtc

Well No.

09691

Date Sampled

2nd quarter

3-Jun-94

	10:37	Delay	1 00	Minutes
Final bail time				
Set transducer time	10:33			
Static Water Level (pre-sampling)	11.3	feet below top of casing		
Final water level (post-sampling)	11.2	feet below top of casing		
Last recorded water level	11.1	feet below transducer		
Transducer Reference Depth	18.3	feet below top of casing		
Bottom of well	18.4	feet below top of casing		
First recorded water level	15.1	feet below transducer		
First recorded water level	15.1	feet below top of casing		
Water column remaining in casing after purging	3.3	feet		
Volume remaining in casing after purging	2.0	liters		
Well Diameter	18.0	inches	0.833	feet
Well Radius	5.0	inches	0.417	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	15.5	feet below top of casing		
			0.62	liter/foot
			5.81	liters/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-3 188	0 0167	1 00000	3 188	15 11		
0 003	-3 192	0 0167	1 00330	3 192	15 10	1 85E+01	20 57
0 007	-3 198	0 0168	1 00660	3 198	15 10	1 86E+01	20 60
0 010	-3 201	0 0168	1 01000	3 201	15 09	1 86E+01	20 62
0 013	-3 204	0 0169	1 01330	3 204	15 09	1 86E+01	20 64
0 017	-3 207	0 0169	1 01660	3 207	15 09	1 86E+01	20 65
0 020	-3 214	0 0170	1 02000	3 214	15 08	1 87E+01	20 70
0 023	-3 217	0 0171	1 02330	3 217	15 08	1 87E+01	20 71
0 027	-3 223	0 0171	1 02660	3 223	15 07	1 87E+01	20 75
0 030	-3 226	0 0172	1 03000	3 226	15 07	1 87E+01	20 76
0 033	-3 229	0 0172	1 03330	3 229	15 07	1 88E+01	20 78
0 037	-3 236	0 0173	1 03660	3 236	15 06	1 88E+01	20 82
0 040	-3 239	0 0173	1 04000	3 239	15 06	1 88E+01	20 84
0 043	-3 242	0 0174	1 04330	3 242	15 05	1 88E+01	20 86
0 047	-3 248	0 0174	1 04660	3 248	15 05	1 89E+01	20 89
0 050	-3 251	0 0175	1 05000	3 251	15 04	1 89E+01	20 91
0 053	-3 258	0 0176	1 05330	3 258	15 04	1 89E+01	20 95
0 057	-3 261	0 0176	1 05660	3 261	15 03	1 89E+01	20 97
0 060	-3 264	0 0177	1 06000	3 264	15 03	1 90E+01	20 99
0 063	-3 267	0 0177	1 06330	3 267	15 03	1 90E+01	21 00
0 067	-3 273	0 0178	1 06660	3 273	15 02	1 90E+01	21 04
0 070	-3 276	0 0178	1 07000	3 276	15 02	1 90E+01	21 06
0 073	-3 280	0 0179	1 07330	3 280	15 01	1 90E+01	21 08
0 077	-3 286	0 0179	1 07660	3 286	15 01	1 91E+01	21 11
0 080	-3 289	0 0180	1 08000	3 289	15 01	1 91E+01	21 13
0 083	-3 292	0 0181	1 08330	3 292	15 00	1 91E+01	21 15
0 087	-3 295	0 0181	1 08660	3 295	15 00	1 91E+01	21 17
0 090	-3 302	0 0182	1 09000	3 302	14 99	1 92E+01	21 21
0 093	-3 305	0 0182	1 09330	3 305	14 99	1 92E+01	21 22
0 097	-3 308	0 0183	1 09660	3 308	14 99	1 92E+01	21 24
0 100	-3 314	0 0183	1 10000	3 314	14 98	1 92E+01	21 28
0 103	-3 317	0 0184	1 10330	3 317	14 98	1 93E+01	21 29
0 107	-3 321	0 0184	1 10660	3 321	14 97	1 93E+01	21 32
0 110	-3 324	0 0185	1 11000	3 324	14 97	1 93E+01	21 33
0 113	-3 327	0 0186	1 11330	3 327	14 97	1 93E+01	21 35
0 117	-3 333	0 0186	1 11660	3 333	14 96	1 94E+01	21 39
0 120	-3 336	0 0187	1 12000	3 336	14 96	1 94E+01	21 40
0 123	-3 339	0 0187	1 12330	3 339	14 96	1 94E+01	21 42
0 127	-3 343	0 0188	1 12660	3 343	14 95	1 94E+01	21 44

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-3 346	0 0188	1 13000	3 346	14 95	1 94E+01	21 46
0 133	-3 349	0 0189	1 13330	3 349	14 95	1 95E+01	21 48
0 137	-3 352	0 0189	1 13660	3 352	14 94	1 95E+01	21 50
0 140	-3 358	0 0190	1 14000	3 358	14 94	1 95E+01	21 53
0 143	-3 361	0 0191	1 14330	3 361	14 93	1 95E+01	21 55
0 147	-3 365	0 0191	1 14660	3 365	14 93	1 95E+01	21 57
0 150	-3 368	0 0192	1 15000	3 368	14 93	1 96E+01	21 59
0 153	-3 371	0 0192	1 15330	3 371	14 92	1 96E+01	21 61
0 157	-3 374	0 0193	1 15660	3 374	14 92	1 96E+01	21 62
0 160	-3 377	0 0193	1 16000	3 377	14 92	1 96E+01	21 64
0 163	-3 380	0 0194	1 16330	3 380	14 91	1 96E+01	21 66
0 167	-3 383	0 0194	1 16660	3 383	14 91	1 96E+01	21 68
0 170	-3 387	0 0195	1 17000	3 387	14 91	1 97E+01	21 70
0 173	-3 393	0 0196	1 17330	3 393	14 90	1 97E+01	21 73
0 177	-3 396	0 0196	1 17660	3 396	14 90	1 97E+01	21 75
0 180	-3 399	0 0197	1 18000	3 399	14 90	1 97E+01	21 77
0 183	-3 402	0 0197	1 18330	3 402	14 89	1 98E+01	21 79
0 187	-3 405	0 0198	1 18660	3 405	14 89	1 98E+01	21 80
0 190	-3 409	0 0198	1 19000	3 409	14 89	1 98E+01	21 83
0 193	-3 412	0 0199	1 19330	3 412	14 88	1 98E+01	21 85
0 197	-3 415	0 0199	1 19660	3 415	14 88	1 98E+01	21 86
0 200	-3 418	0 0200	1 20000	3 418	14 88	1 99E+01	21 88
0 203	-3 421	0 0201	1 20330	3 421	14 87	1 99E+01	21 90
0 207	-3 424	0 0201	1 20660	3 424	14 87	1 99E+01	21 91
0 210	-3 427	0 0202	1 21000	3 427	14 87	1 99E+01	21 93
0 213	-3 434	0 0202	1 21330	3 434	14 86	1 99E+01	21 97
0 217	-3 434	0 0203	1 21660	3 434	14 86	1 99E+01	21 97
0 220	-3 437	0 0203	1 22000	3 437	14 86	2 00E+01	21 99
0 223	-3 443	0 0204	1 22330	3 443	14 85	2 00E+01	22 03
0 227	-3 446	0 0204	1 22660	3 446	14 85	2 00E+01	22 04
0 230	-3 449	0 0205	1 23000	3 449	14 85	2 00E+01	22 06
0 233	-3 453	0 0206	1 23330	3 453	14 84	2 01E+01	22 08
0 237	-3 456	0 0206	1 23660	3 456	14 84	2 01E+01	22 10
0 240	-3 459	0 0207	1 24000	3 459	14 84	2 01E+01	22 12
0 243	-3 462	0 0207	1 24330	3 462	14 83	2 01E+01	22 14
0 247	-3 465	0 0208	1 24660	3 465	14 83	2 01E+01	22 15
0 250	-3 468	0 0208	1 25000	3 468	14 83	2 01E+01	22 17
0 253	-3 472	0 0209	1 25330	3 472	14 82	2 02E+01	22 19
0 257	-3 475	0 0209	1 25660	3 475	14 82	2 02E+01	22 21
0 260	-3 475	0 0210	1 26000	3 475	14 82	2 02E+01	22 21
0 263	-3 478	0 0211	1 26330	3 478	14 82	2 02E+01	22 23
0 267	-3 481	0 0211	1 26660	3 481	14 81	2 02E+01	22 25
0 270	-3 484	0 0212	1 27000	3 484	14 81	2 02E+01	22 26
0 273	-3 487	0 0212	1 27330	3 487	14 81	2 03E+01	22 28
0 277	-3 490	0 0213	1 27660	3 490	14 80	2 03E+01	22 30
0 280	-3 494	0 0213	1 28000	3 494	14 80	2 03E+01	22 32
0 283	-3 497	0 0214	1 28330	3 497	14 80	2 03E+01	22 34
0 287	-3 500	0 0214	1 28660	3 500	14 79	2 03E+01	22 36
0 290	-3 503	0 0215	1 29000	3 503	14 79	2 03E+01	22 37
0 293	-3 503	0 0216	1 29330	3 503	14 79	2 03E+01	22 37
0 297	-3 506	0 0216	1 29660	3 506	14 79	2 04E+01	22 39
0 300	-3 509	0 0217	1 30000	3 509	14 79	2 04E+01	22 41
0 303	-3 512	0 0217	1 30330	3 512	14 78	2 04E+01	22 43
0 307	-3 516	0 0218	1 30660	3 516	14 78	2 04E+01	22 45
0 310	-3 519	0 0218	1 31000	3 519	14 78	2 04E+01	22 47
0 313	-3 519	0 0219	1 31330	3 519	14 78	2 04E+01	22 47
0 317	-3 522	0 0219	1 31660	3 522	14 77	2 05E+01	22 48
0 320	-3 525	0 0220	1 32000	3 525	14 77	2 05E+01	22 50
0 323	-3 528	0 0221	1 32330	3 528	14 77	2 05E+01	22 52
0 327	-3 531	0 0221	1 32660	3 531	14 76	2 05E+01	22 54
0 330	-3 531	0 0222	1 33000	3 531	14 76	2 05E+01	22 54
0 333	-3 534	0 0222	1 33330	3 534	14 76	2 05E+01	22 55
0 350	-3 550	0 0225	1 35000	3 550	14 74	2 06E+01	22 65
0 367	-3 563	0 0228	1 36660	3 563	14 73	2 07E+01	22 72
0 383	-3 575	0 0231	1 38330	3 575	14 72	2 08E+01	22 79
0 400	-3 588	0 0233	1 40000	3 588	14 71	2 08E+01	22 87
0 417	-3 597	0 0236	1 41660	3 597	14 70	2 09E+01	22 92
0 433	-3 610	0 0239	1 43330	3 610	14 68	2 10E+01	23 00
0 450	-3 619	0 0242	1 45000	3 619	14 68	2 10E+01	23 05
0 467	-3 632	0 0244	1 46660	3 632	14 66	2 11E+01	23 12
0 483	-3 641	0 0247	1 48330	3 641	14 65	2 11E+01	23 18
0 500	-3 651	0 0250	1 50000	3 651	14 64	2 12E+01	23 23
0 517	-3 663	0 0253	1 51660	3 663	14 63	2 13E+01	23 30

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-3 673	0 0256	1 53330	3 673	14 62	2.13E+01	23 36
0 550	-3 682	0 0258	1 55000	3 682	14 61	2.14E+01	23 41
0 567	-3 692	0 0261	1 56660	3 692	14 60	2.14E+01	23 47
0 583	-3 701	0 0264	1 58330	3 701	14 59	2.15E+01	23 52
0 600	-3 707	0 0267	1 60000	3 707	14 59	2.15E+01	23 56
0 617	-3 717	0 0269	1 61660	3 717	14 58	2.16E+01	23 62
0 633	-3 726	0 0272	1 63330	3 726	14 57	2.16E+01	23 67
0 650	-3 736	0 0275	1 65000	3 736	14 56	2.17E+01	23 73
0 667	-3 742	0 0278	1 66660	3 742	14 55	2.17E+01	23 76
0 683	-3 751	0 0281	1 68330	3 751	14 54	2.18E+01	23 81
0 700	-3 758	0 0283	1 70000	3 758	14 54	2.18E+01	23 85
0 717	-3 767	0 0286	1 71660	3 767	14 53	2.19E+01	23 91
0 733	-3 773	0 0289	1 73330	3 773	14 52	2.19E+01	23 94
0 750	-3 780	0 0292	1 75000	3 780	14 51	2.20E+01	23 98
0 767	-3 789	0 0294	1 76660	3 789	14 51	2.20E+01	24 03
0 783	-3 792	0 0297	1 78330	3 792	14 50	2.20E+01	24 05
0 800	-3 802	0 0300	1 80000	3 802	14 49	2.21E+01	24 11
0 817	-3 808	0 0303	1 81660	3 808	14 49	2.21E+01	24 14
0 833	-3 814	0 0306	1 83330	3 814	14 48	2.22E+01	24 18
0 850	-3 821	0 0308	1 85000	3 821	14 47	2.22E+01	24 22
0 867	-3 824	0 0311	1 86660	3 824	14 47	2.22E+01	24 24
0 883	-3 830	0 0314	1 88330	3 830	14 46	2.22E+01	24 27
0 900	-3 836	0 0317	1 90000	3 836	14 46	2.23E+01	24 31
0 917	-3 843	0 0319	1 91660	3 843	14 45	2.23E+01	24 35
0 933	-3 849	0 0322	1 93330	3 849	14 45	2.24E+01	24 38
0 950	-3 852	0 0325	1 95000	3 852	14 44	2.24E+01	24 40
0 967	-3 858	0 0328	1 96660	3 858	14 44	2.24E+01	24 44
0 983	-3 865	0 0331	1 98330	3 865	14 43	2.24E+01	24 48
1 000	-3 868	0 0333	2.00000	3 868	14 43	2.25E+01	24 49
1 200	-3 931	0 0367	2 20000	3 931	14 36	2.28E+01	24 86
1 400	-3 972	0 0400	2.40000	3 972	14 32	2.31E+01	25 10
1 600	-4 009	0 0433	2.60000	4 009	14 29	2.33E+01	25 31
1 800	-4 044	0 0467	2.80000	4 044	14 25	2.35E+01	25 52
2 000	-4 072	0 0500	3 00000	4 072	14 22	2.36E+01	25 68
2 200	-4 101	0 0533	3 20000	4 101	14 19	2.38E+01	25 85
2 400	-4 126	0 0567	3 40000	4 126	14 17	2.40E+01	25 99
2 600	-4 148	0 0600	3 60000	4 148	14 15	2.41E+01	26 12
2 800	-4 170	0 0633	3 80000	4 170	14 12	2.42E+01	26 25
3 000	-4 192	0 0667	4 00000	4 192	14 10	2.43E+01	26 38
3 200	-4 211	0 0700	4 20000	4 211	14 08	2.45E+01	26 49
3 400	-4 230	0 0733	4 40000	4 230	14 06	2.46E+01	26 60
3 600	-4 245	0 0767	4 60000	4 245	14 05	2.47E+01	26 68
3 800	-4 264	0 0800	4 80000	4 264	14 03	2.48E+01	26 79
4 000	-4 280	0 0833	5 00000	4 280	14 01	2.49E+01	26 89
4 200	-4 296	0 0867	5 20000	4 296	14 00	2.50E+01	26 98
4 400	-4 308	0 0900	5 40000	4 308	13 99	2.50E+01	27 05
4 600	-4 324	0 0933	5 60000	4 324	13 97	2.51E+01	27 14
4 800	-4 337	0 0967	5 80000	4 337	13 96	2.52E+01	27 22
5 000	-4 352	0 1000	6 00000	4 352	13 94	2.53E+01	27 30
5 200	-4 365	0 1033	6 20000	4 365	13 93	2.54E+01	27 38
5 400	-4 377	0 1067	6 40000	4 377	13 92	2.54E+01	27 45
5 600	-4 390	0 1100	6 60000	4 390	13 90	2.55E+01	27 53
5 800	-4 403	0 1133	6 80000	4 403	13 89	2.56E+01	27 60
6 000	-4 415	0 1167	7 00000	4 415	13 88	2.56E+01	27 67
6 200	-4 428	0 1200	7 20000	4 428	13 87	2.57E+01	27 75
6 400	-4 440	0 1233	7 40000	4 440	13 85	2.58E+01	27 82
6 600	-4 450	0 1267	7 60000	4 450	13 84	2.58E+01	27 87
6 800	-4 462	0 1300	7 80000	4 462	13 83	2.59E+01	27 94
7 000	-4 475	0 1333	8 00000	4 475	13 82	2.60E+01	28 02
7 200	-4 484	0 1367	8 20000	4 484	13 81	2.60E+01	28 07
7 400	-4 497	0 1400	8 40000	4 497	13 80	2.61E+01	28 15
7 600	-4 506	0 1433	8 60000	4 506	13 79	2.62E+01	28 20
7 800	-4 519	0 1467	8 80000	4 519	13 78	2.62E+01	28 27
8 000	-4 528	0 1500	9 00000	4 528	13 77	2.63E+01	28 33
8 200	-4 538	0 1533	9 20000	4 538	13 76	2.64E+01	28 38
8 400	-4 547	0 1567	9 40000	4 547	13 75	2.64E+01	28 44
8 600	-4 560	0 1600	9 60000	4 560	13 73	2.65E+01	28 51
8 800	-4 569	0 1633	9 80000	4 569	13 73	2.65E+01	28 56
9 000	-4 582	0 1667	10 00000	4 582	13 71	2.66E+01	28 64
9 200	-4 594	0 1700	10 20000	4 594	13 70	2.67E+01	28 71
9 400	-4 604	0 1733	10 40000	4 604	13 69	2.67E+01	28 77
9 600	-4 613	0 1767	10 60000	4 613	13 68	2.68E+01	28 82
9 800	-4 626	0 1800	10 80000	4 626	13 67	2.69E+01	28 90

Input Transducer Elapsed Time	data Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-4 635	0 1833	11 00000	4 635	13 66	2.69E+01	28 95
12 000	-4 727	0 2167	13 00000	4 727	13 57	2.75E+01	29 48
14 000	-4 802	0 2500	15 00000	4 802	13 49	2.79E+01	29 92
16 000	-4 868	0 2833	17 00000	4 868	13 43	2.83E+01	30 30
18 000	-4 940	0 3167	19 00000	4 940	13 35	2.87E+01	30 72
20 000	-5 000	0 3500	21 00000	5 000	13 29	2.90E+01	31 07
22 000	-5 060	0 3833	23 00000	5 060	13 23	2.94E+01	31 42
24 000	-5 129	0 4167	25 00000	5 129	13 17	2.98E+01	31 82
26 000	-5 202	0 4500	27 00000	5 202	13 09	3 02E+01	32.24
28 000	-5 274	0 4833	29 00000	5 274	13 02	3 06E+01	32.66
30 000	-5 340	0 5167	31 00000	5 340	12 95	3 10E+01	33 04
32 000	-5 406	0 5500	33 00000	5 406	12 89	3 14E+01	33 43
34 000	-5 466	0 5833	35 00000	5 466	12 83	3 17E+01	33 77
36 000	-5 519	0 6167	37 00000	5 519	12.78	3 21E+01	34 08
38 000	-5 566	0 6500	39 00000	5 566	12 73	3 23E+01	34 35
40 000	-5 614	0 6833	41 00000	5 614	12 68	3 26E+01	34 63
42 000	-5 655	0 7167	43 00000	5 655	12 64	3 28E+01	34 87
44 000	-5 696	0 7500	45 00000	5 696	12 60	3 31E+01	35 11
46 000	-5 733	0 7833	47 00000	5 733	12.56	3 33E+01	35 32
48 000	-5 774	0 8167	49 00000	5 774	12.52	3 35E+01	35 56
50 000	-5 809	0 8500	51 00000	5 809	12.49	3 37E+01	35 77
52 000	-5 843	0 8833	53 00000	5 843	12.45	3 39E+01	35 96
54 000	-5 878	0 9167	55 00000	5 878	12.42	3 41E+01	36 17
56 000	-5 909	0 9500	57 00000	5 909	12.39	3 43E+01	36 35
58 000	-5 941	0 9833	59 00000	5 941	12.35	3 45E+01	36 53
60 000	-5 969	1 0167	61 00000	5 969	12.33	3 47E+01	36 70
62 000	-5 994	1 0500	63 00000	5 994	12.30	3 48E+01	36 84
64 000	-6 023	1 0833	65 00000	6 023	12.27	3 50E+01	37 01
66 000	-6 048	1 1167	67 00000	6 048	12.25	3 51E+01	37 15
68 000	-6 073	1 1500	69 00000	6 073	12.22	3 53E+01	37 30
70 000	-6 101	1 1833	71 00000	6 101	12.19	3 54E+01	37 46
72 000	-6 123	1 2167	73 00000	6 123	12.17	3 56E+01	37 59
74 000	-6 149	1 2500	75 00000	6.149	12.15	3 57E+01	37 74
76 000	-6.171	1 2833	77 00000	6.171	12.12	3 58E+01	37 87
78 000	-6 189	1 3167	79 00000	6.189	12.11	3 59E+01	37 97
80 000	-6 205	1 3500	81 00000	6 205	12.09	3 60E+01	38 07
82 000	-6 224	1 3833	83 00000	6.224	12.07	3 61E+01	38 18
84 000	-6 240	1 4167	85 00000	6 240	12.05	3 62E+01	38 27
86 000	-6 252	1 4500	87 00000	6 252	12.04	3 63E+01	38 34
88 000	-6 268	1 4833	89 00000	6 268	12.03	3 64E+01	38 43
90 000	-6 284	1 5167	91 00000	6 284	12.01	3 65E+01	38 52
92 000	-6 300	1 5500	93 00000	6 300	11.99	3 66E+01	38 62
94 000	-6 312	1 5833	95 00000	6 312	11.98	3 67E+01	38 69
96 000	-6 325	1 6167	97 00000	6 325	11.97	3 67E+01	38 76
98 000	-6 337	1 6500	99 00000	6.337	11.96	3 68E+01	38 83
100 000	-6 350	1 6833	101 00000	6 350	11.94	3 69E+01	38 91
120 000	-6 444	2.0167	121 00000	6 444	11.85	3 74E+01	39 45
140 000	-6 517	2.3500	141 00000	6.517	11.78	3 78E+01	39 88
160 000	-6 573	2 6833	161 00000	6 573	11.72	3 82E+01	40 20
180 000	-6.617	3 0167	181 00000	6 617	11.68	3 84E+01	40 46
200 000	-6.652	3 3500	201 00000	6 652	11.64	3 86E+01	40 66
220 000	-6 680	3 6833	221 00000	6 680	11.61	3 88E+01	40 82
240 000	-6 705	4 0167	241 00000	6 705	11.59	3 89E+01	40 97
260 000	-6 727	4 3500	261 00000	6 727	11.57	3 91E+01	41 10
280 000	-6 746	4 6833	281 00000	6 746	11.55	3 92E+01	41 21
300 000	-6 762	5 0167	301 00000	6 762	11.53	3 93E+01	41 30
320 000	-6 775	5 3500	321 00000	6 775	11.52	3 93E+01	41 38
340 000	-6 790	5 6833	341 00000	6 790	11.50	3 94E+01	41 46
360 000	-6 803	6 0167	361 00000	6 803	11.49	3 95E+01	41 54
380 000	-6 812	6 3500	381 00000	6 812	11.48	3 96E+01	41 59
400 000	-6 825	6 6833	401 00000	6 825	11.47	3 96E+01	41 67
420 000	-6 834	7 0167	421 00000	6 834	11.46	3 97E+01	41 72
440 000	-6 844	7 3500	441 00000	6.844	11.45	3 97E+01	41 78
460 000	-6 850	7 6833	461 00000	6 850	11.44	3 98E+01	41 81
480 000	-6 860	8 0167	481 00000	6 860	11.43	3 98E+01	41 87
500 000	-6 866	8 3500	501 00000	6 866	11.43	3 99E+01	41 91
520 000	-6 872	8 6833	521 00000	6.872	11.42	3 99E+01	41 94
540 000	-6 878	9 0167	541 00000	6.878	11.42	3 99E+01	41 97
560 000	-6 885	9 3500	561 00000	6 885	11.41	4 00E+01	42.02
580 000	-6 888	9 6833	581 00000	6 888	11.41	4 00E+01	42.03
600 000	-6 894	10 0167	601 00000	6.894	11.40	4 00E+01	42.07
620 000	-6 897	10 3500	621 00000	6 897	11.40	4 01E+01	42.09
640 000	-6 904	10 6833	641 00000	6 904	11.39	4 01E+01	42.13

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-6.907	11 0167	661 00000	6 907	11 39	4 01E+01	42.14
680 000	-6.910	11 3500	681 00000	6 910	11 38	4 01E+01	42.16
700 000	-6.913	11 6833	701 00000	6 913	11 38	4 01E+01	42.18
720 000	-6.916	12 0167	721 00000	6 916	11 38	4 02E+01	42.20
740 000	-6.919	12.3500	741 00000	6 919	11 38	4 02E+01	42.21
760 000	-6.922	12.6833	761 00000	6.922	11 37	4 02E+01	42.23
780 000	-6.922	13 0167	781 00000	6 922	11 37	4 02E+01	42.23
800 000	-6.929	13 3500	801 00000	6 929	11 37	4 02E+01	42.27
820 000	-6.932	13 6833	821 00000	6 932	11 36	4 03E+01	42.29
840 000	-6.935	14 0167	841 00000	6 935	11 36	4 03E+01	42.31
860 000	-6.935	14 3500	861 00000	6 935	11 36	4 03E+01	42.31
880 000	-6.938	14 6833	881 00000	6 938	11 36	4 03E+01	42.32
900 000	-6.941	15 0167	901 00000	6 941	11 35	4 03E+01	42.34
920 000	-6.945	15 3500	921 00000	6 945	11 35	4 03E+01	42.36
940 000	-6.945	15 6833	941 00000	6 945	11 35	4 03E+01	42.36
960 000	-6.948	16 0167	961 00000	6 948	11 35	4 04E+01	42.38
980 000	-6.951	16 3500	981 00000	6 951	11 34	4 04E+01	42.40
1000 000	-6.951	16 6833	1001 00000	6 951	11 34	4 04E+01	42.40
1200 000	-6.963	20 0167	1201 00000	6 963	11 33	4 04E+01	42.47
1400 000	-6.967	23 3500	1401 00000	6 967	11 33	4 05E+01	42.49
1600 000	-6.976	26 6833	1601 00000	6 976	11 32	4 05E+01	42.54
1800 000	-6.992	30 0167	1801 00000	6.992	11 30	4 06E+01	42.64
2000 000	-7.007	33 3500	2001 00000	7 007	11 29	4 07E+01	42.72
2200 000	-7.017	36 6833	2201 00000	7 017	11 28	4 08E+01	42.78
2400 000	-7.020	40 0167	2401 00000	7 020	11 27	4 08E+01	42.80
2600 000	-7.026	43 3500	2601 00000	7 026	11 27	4 08E+01	42.83
2800 000	-7.020	46.6833	2801 00000	7 020	11 27	4 08E+01	42.80
3000 000	-7.026	50 0167	3001 00000	7 026	11 27	4 08E+01	42.83
3200 000	-7.036	53 3500	3201 00000	7 036	11 26	4 09E+01	42.89
3400 000	-7.048	56 6833	3401 00000	7 048	11 25	4 09E+01	42.96
3600 000	-7.058	60 0167	3601 00000	7 058	11 24	4 10E+01	43.02
3800 000	-7.067	63 3500	3801 00000	7 067	11 23	4 10E+01	43.07
4000 000	-7.074	66 6833	4001 00000	7 074	11 22	4 11E+01	43.11
4200 000	-7.070	70 0167	4201 00000	7 070	11 22	4 11E+01	43.09
4400 000	-7.074	73 3500	4401 00000	7 074	11 22	4 11E+01	43.11

Well No. 11691

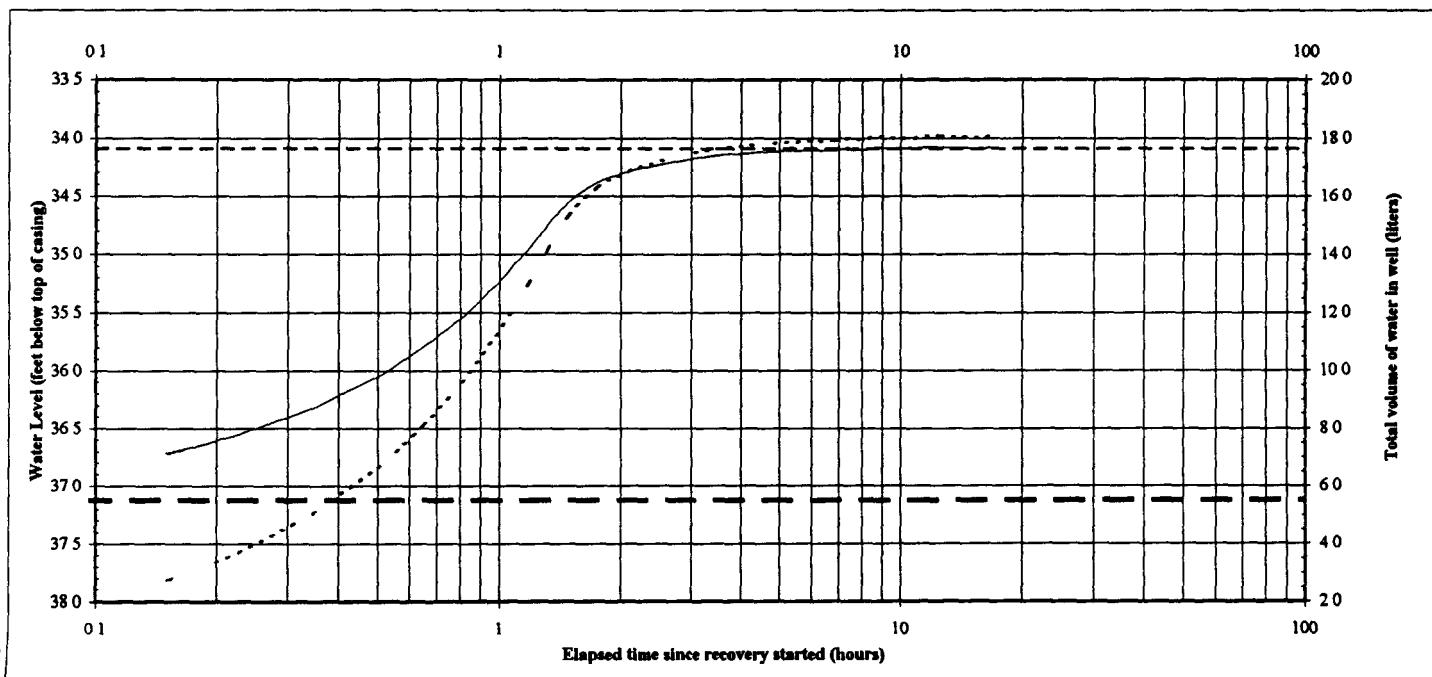
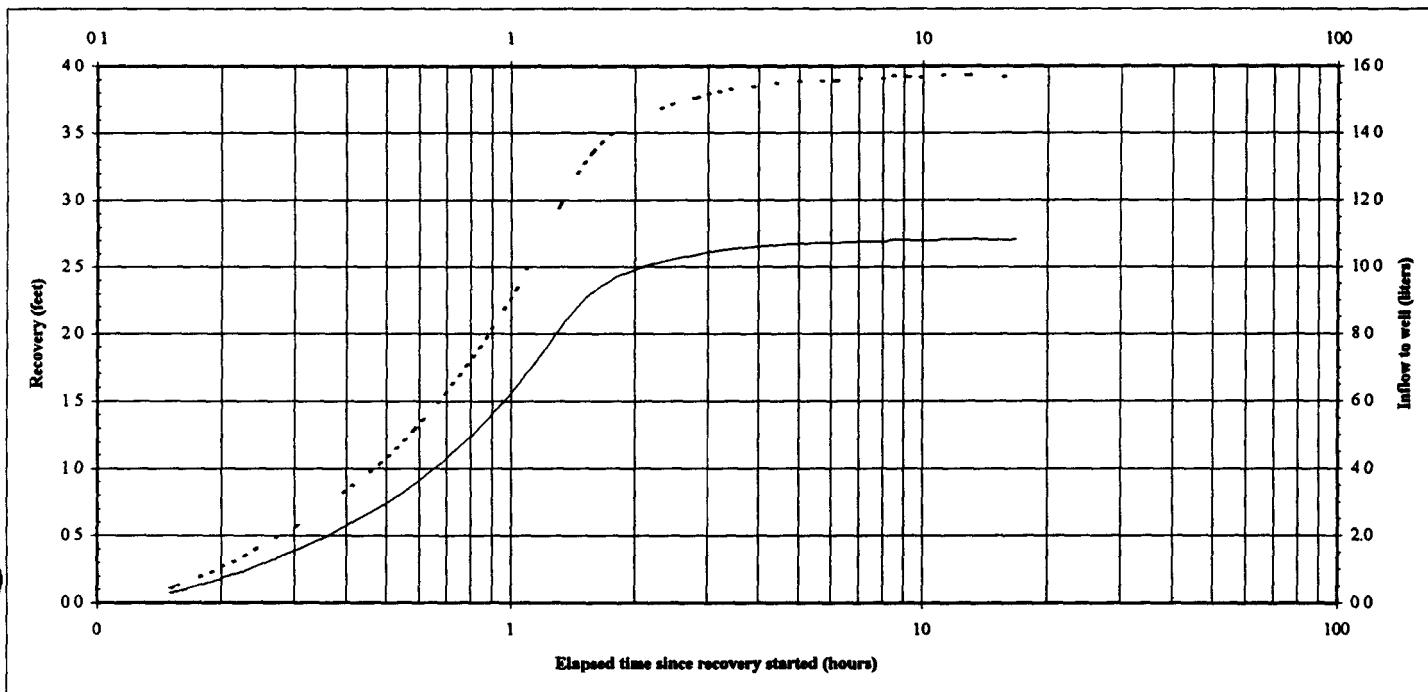
Measured recovery after sampling

Date: 17-May-94

2nd quarter

1994

Pre-sampling
 - - - - - Static Water Level
 - - - - - Bottom of well
 - - - - - Water Level
 - - - - - Volume



Well No.

11691

Date Sampled

2nd Quarter
5/17/94

Final bail time	13:59	Delay	9 00	Minutes
Set transducer time	13:59			
Static water level (pre-sampling)	34.1	feet below top of casing		
Final water level (post-recovery)	34.1	feet below top of casing		
Last recorded water level	37.7	feet below transducer		
Transducer Reference Depth	36.8	feet below top of casing		
Bottom of well	37.1	feet below top of casing		
First recorded water level	34.1	feet below transducer		
First recorded water level	36.7	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	2.3	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	15.9	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)				
0 000	-0.069	0 1500	9 00000	0.069	36.72			
0 003	-0.072	0 1501	9 00330	0.072	36.72		4 18E-01	2.75
0 007	-0.075	0 1501	9 00660	0.075	36.71		4 36E-01	2.76
0 010	-0.075	0 1502	9 01000	0.075	36.71		4 36E-01	2.76
0 013	-0.072	0 1502	9 01330	0.072	36.72		4 18E-01	2.75
0 017	-0.072	0 1503	9 01660	0.072	36.72		4 18E-01	2.75
0 020	-0.075	0 1503	9 02000	0.075	36.71		4 36E-01	2.76
0 023	-0.075	0 1504	9 02330	0.075	36.71		4 36E-01	2.76
0 027	-0.072	0 1504	9 02660	0.072	36.72		4 18E-01	2.75
0 030	-0.072	0 1505	9 03000	0.072	36.72		4 18E-01	2.75
0 033	-0.075	0 1506	9 03330	0.075	36.71		4 36E-01	2.76
0 037	-0.075	0 1506	9 03660	0.075	36.71		4 36E-01	2.76
0 040	-0.072	0 1507	9 04000	0.072	36.72		4 18E-01	2.75
0 043	-0.075	0 1507	9 04330	0.075	36.71		4 36E-01	2.76
0 047	-0.075	0 1508	9 04660	0.075	36.71		4 36E-01	2.76
0 050	-0.075	0 1508	9 05000	0.075	36.71		4 36E-01	2.76
0 053	-0.075	0 1509	9 05330	0.075	36.71		4 36E-01	2.76
0 057	-0.075	0 1509	9 05660	0.075	36.71		4 36E-01	2.76
0 060	-0.075	0 1510	9 06000	0.075	36.71		4 36E-01	2.76
0 063	-0.072	0 1511	9 06330	0.072	36.72		4 18E-01	2.75
0 067	-0.072	0 1511	9 06660	0.072	36.72		4 18E-01	2.75
0 070	-0.075	0 1512	9 07000	0.075	36.71		4 36E-01	2.76
0 073	-0.079	0 1512	9 07330	0.079	36.71		4 59E-01	2.79
0 077	-0.079	0 1513	9 07660	0.079	36.71		4 59E-01	2.79
0 080	-0.079	0 1513	9 08000	0.079	36.71		4 59E-01	2.79
0 083	-0.072	0 1514	9 08330	0.072	36.72		4 18E-01	2.75
0 087	-0.075	0 1514	9 08660	0.075	36.71		4 36E-01	2.76
0 090	-0.075	0 1515	9 09000	0.075	36.71		4 36E-01	2.76
0 093	-0.075	0 1516	9 09330	0.075	36.71		4 36E-01	2.76
0 097	-0.072	0 1516	9 09660	0.072	36.72		4 18E-01	2.75
0 100	-0.072	0 1517	9 10000	0.072	36.72		4 18E-01	2.75
0 103	-0.079	0 1517	9 10330	0.079	36.71		4 59E-01	2.79
0 107	-0.079	0 1518	9 10660	0.079	36.71		4 59E-01	2.79
0 110	-0.069	0 1518	9 11000	0.069	36.72		4 01E-01	2.73
0 113	-0.072	0 1519	9 11330	0.072	36.72		4 18E-01	2.75
0 117	-0.075	0 1519	9 11660	0.075	36.71		4 36E-01	2.76
0 120	-0.072	0 1520	9 12000	0.072	36.72		4 18E-01	2.75
0 123	-0.075	0 1521	9 12330	0.075	36.71		4 36E-01	2.76

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-0 072	0 1521	9 12660	0 072	36 72	4 18E-01	2.75	
0 130	-0 075	0 1522	9 13000	0 075	36 71	4 36E-01	2.76	
0 133	-0 072	0 1522	9 13330	0 072	36 72	4 18E-01	2.75	
0 137	-0 079	0 1523	9 13660	0 079	36 71	4 59E-01	2.79	
0 140	-0 075	0 1523	9 14000	0 075	36 71	4 36E-01	2.76	
0 143	-0 079	0 1524	9 14330	0 079	36 71	4 59E-01	2.79	
0 147	-0 079	0 1524	9 14660	0 079	36 71	4 59E-01	2.79	
0 150	-0 075	0 1525	9 15000	0 075	36 71	4 36E-01	2.76	
0 153	-0 079	0 1526	9 15330	0 079	36 71	4 59E-01	2.79	
0 157	-0 079	0 1526	9 15660	0 079	36 71	4 59E-01	2.79	
0 160	-0 079	0 1527	9 16000	0 079	36 71	4 59E-01	2.79	
0 163	-0 079	0 1527	9 16330	0 079	36 71	4 59E-01	2.79	
0 167	-0 075	0 1528	9 16660	0 075	36 71	4 36E-01	2.76	
0 170	-0 079	0 1528	9 17000	0 079	36 71	4 59E-01	2.79	
0 173	-0 079	0 1529	9 17330	0 079	36 71	4 59E-01	2.79	
0 177	-0 079	0 1529	9 17660	0 079	36 71	4 59E-01	2.79	
0 180	-0 075	0 1530	9 18000	0 075	36 71	4 36E-01	2.76	
0 183	-0 079	0 1531	9 18330	0 079	36 71	4 59E-01	2.79	
0 187	-0 075	0 1531	9 18660	0 075	36 71	4 36E-01	2.76	
0 190	-0 075	0 1532	9 19000	0 075	36 71	4 36E-01	2.76	
0 193	-0 075	0 1532	9 19330	0 075	36 71	4 36E-01	2.76	
0 197	-0 079	0 1533	9 19660	0 079	36 71	4 59E-01	2.79	
0 200	-0 075	0 1533	9 20000	0 075	36 71	4 36E-01	2.76	
0 203	-0 069	0 1534	9 20330	0 069	36 72	4 01E-01	2.73	
0 207	-0 082	0 1534	9 20660	0 082	36 71	4 76E-01	2.81	
0 210	-0 079	0 1535	9 21000	0 079	36 71	4 59E-01	2.79	
0 213	-0 075	0 1536	9 21330	0 075	36 71	4 36E-01	2.76	
0 217	-0 075	0 1536	9 21660	0 075	36 71	4 36E-01	2.76	
0 220	-0 082	0 1537	9 22000	0 082	36 71	4 76E-01	2.81	
0 223	-0 079	0 1537	9 22330	0 079	36 71	4 59E-01	2.79	
0 227	-0 079	0 1538	9 22660	0 079	36 71	4 59E-01	2.79	
0 230	-0 079	0 1538	9 23000	0 079	36 71	4 59E-01	2.79	
0 233	-0 075	0 1539	9 23330	0 075	36.71	4 36E-01	2.76	
0 237	-0 079	0 1539	9 23660	0 079	36 71	4 59E-01	2.79	
0 240	-0 079	0 1540	9 24000	0 079	36 71	4 59E-01	2.79	
0 243	-0 079	0 1541	9 24330	0 079	36 71	4 59E-01	2.79	
0 247	-0 079	0 1541	9 24660	0 079	36 71	4 59E-01	2.79	
0 250	-0 079	0 1542	9 25000	0 079	36 71	4 59E-01	2.79	
0 253	-0 082	0 1542	9 25330	0 082	36 71	4 76E-01	2.81	
0 257	-0 082	0 1543	9 25660	0 082	36 71	4 76E-01	2.81	
0 260	-0 082	0 1543	9 26000	0 082	36 71	4 76E-01	2.81	
0 263	-0 079	0 1544	9 26330	0 079	36 71	4 59E-01	2.79	
0 267	-0 085	0 1544	9 26660	0 085	36 70	4 94E-01	2.82	
0 270	-0 085	0 1545	9 27000	0 085	36 70	4 94E-01	2.82	
0 273	-0 082	0 1546	9 27330	0 082	36 71	4 76E-01	2.81	
0 277	-0 085	0 1546	9 27660	0 085	36 70	4 94E-01	2.82	
0 280	-0 085	0 1547	9 28000	0 085	36 70	4 94E-01	2.82	
0 283	-0 082	0 1547	9 28330	0 082	36 71	4 76E-01	2.81	
0 287	-0 085	0 1548	9 28660	0 085	36 70	4 94E-01	2.82	
0 290	-0 085	0 1548	9 29000	0 085	36 70	4 94E-01	2.82	
0 293	-0 085	0 1549	9 29330	0 085	36 70	4 94E-01	2.82	
0 297	-0 085	0 1549	9 29660	0 085	36 70	4 94E-01	2.82	
0 300	-0 085	0 1550	9 30000	0 085	36.70	4 94E-01	2.82	
0 303	-0 085	0 1551	9 30330	0 085	36 70	4 94E-01	2.82	
0 307	-0 085	0 1551	9 30660	0 085	36 70	4 94E-01	2.82	
0 310	-0 085	0 1552	9 31000	0 085	36 70	4 94E-01	2.82	
0 313	-0 085	0 1552	9 31330	0 085	36 70	4 94E-01	2.82	
0 317	-0 085	0 1553	9 31660	0 085	36 70	4 94E-01	2.82	
0 320	-0 085	0 1553	9 32000	0 085	36 70	4 94E-01	2.82	
0 323	-0 085	0 1554	9 32330	0 085	36 70	4 94E-01	2.82	
0 327	-0 088	0 1554	9 32660	0 088	36 70	5 11E-01	2.84	
0 330	-0 085	0 1555	9 33000	0 085	36 70	4 94E-01	2.82	
0 333	-0 088	0 1556	9 33330	0 088	36 70	5 11E-01	2.84	
0 350	-0 088	0 1558	9 35000	0 088	36 70	5 11E-01	2.84	
0 367	-0 085	0 1561	9 36660	0 085	36 70	4 94E-01	2.82	
0 383	-0 088	0 1564	9 38330	0 088	36 70	5 11E-01	2.84	
0 400	-0 091	0 1567	9 40000	0 091	36.70	5 29E-01	2.86	
0 417	-0 091	0 1569	9 41660	0 091	36 70	5 29E-01	2.86	
0 433	-0 088	0 1572	9 43330	0 088	36 70	5 11E-01	2.84	
0 450	-0 091	0 1575	9 45000	0 091	36 70	5 29E-01	2.86	
0 467	-0 088	0 1578	9 46660	0 088	36 70	5 11E-01	2.84	
0 483	-0 091	0 1581	9 48330	0 091	36 70	5 29E-01	2.86	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 500	-0 091	0 1583	9 50000	0 091	36 70	5 29E-01	2.86	
0 517	-0 091	0 1586	9 51660	0 091	36.70	5 29E-01	2.86	
0 533	-0 094	0 1589	9 53330	0 094	36.69	5 46E-01	2.87	
0 550	-0 094	0 1592	9 55000	0 094	36.69	5 46E-01	2.87	
0 567	-0 094	0 1594	9 56660	0 094	36.69	5 46E-01	2.87	
0 583	-0 097	0 1597	9 58330	0 097	36.69	5 63E-01	2.89	
0 600	-0 097	0 1600	9 60000	0 097	36.69	5 63E-01	2.89	
0 617	-0 097	0 1603	9 61660	0 097	36.69	5 63E-01	2.89	
0 633	-0 094	0 1606	9 63330	0 094	36.69	5 46E-01	2.87	
0 650	-0 097	0 1608	9 65000	0 097	36.69	5 63E-01	2.89	
0 667	-0 101	0 1611	9 66660	0 101	36.69	5 87E-01	2.92	
0 683	-0 094	0 1614	9 68330	0 094	36.69	5 46E-01	2.87	
0 700	-0 097	0 1617	9 70000	0 097	36.69	5 63E-01	2.89	
0 717	-0 101	0 1619	9 71660	0 101	36.69	5 87E-01	2.92	
0 733	-0 094	0 1622	9 73330	0 094	36.69	5 46E-01	2.87	
0 750	-0 101	0 1625	9 75000	0 101	36.69	5 87E-01	2.92	
0 767	-0 097	0 1628	9 76660	0 097	36.69	5 63E-01	2.89	
0 783	-0 101	0 1631	9 78330	0 101	36.69	5 87E-01	2.92	
0 800	-0 104	0 1633	9 80000	0 104	36.68	6 04E-01	2.93	
0 817	-0 104	0 1636	9 81660	0 104	36.68	6 04E-01	2.93	
0 833	-0 104	0 1639	9 83330	0 104	36.68	6 04E-01	2.93	
0 850	-0 104	0 1642	9 85000	0 104	36.68	6 04E-01	2.93	
0 867	-0 104	0 1644	9 86660	0 104	36.68	6 04E-01	2.93	
0 883	-0 097	0 1647	9 88330	0 097	36.69	5 63E-01	2.89	
0 900	-0 101	0 1650	9 90000	0 101	36.69	5 87E-01	2.92	
0 917	-0 107	0 1653	9 91660	0 107	36.68	6 21E-01	2.95	
0 933	-0 107	0 1656	9 93330	0 107	36.68	6 21E-01	2.95	
0 950	-0 110	0 1658	9 95000	0 110	36.68	6 39E-01	2.97	
0 967	-0 110	0 1661	9 96660	0 110	36.68	6 39E-01	2.97	
0 983	-0 113	0 1664	9 98330	0 113	36.68	6 56E-01	2.99	
1 000	-0 110	0 1667	10 00000	0 110	36.68	6 39E-01	2.97	
1 200	-0 120	0 1700	10 20000	0 120	36.67	6 97E-01	3.03	
1 400	-0 126	0 1733	10 40000	0 126	36.66	7 32E-01	3.06	
1 600	-0 132	0 1767	10 60000	0 132	36.66	7 67E-01	3.10	
1 800	-0 139	0 1800	10 80000	0 139	36.65	8 07E-01	3.14	
2 000	-0 148	0 1833	11 00000	0 148	36.64	8 60E-01	3.19	
2 200	-0 151	0 1867	11 20000	0 151	36.64	8 77E-01	3.21	
2 400	-0 158	0 1900	11 40000	0 158	36.63	9 18E-01	3.25	
2 600	-0 167	0 1933	11 60000	0 167	36.62	9 70E-01	3.30	
2 800	-0 173	0 1967	11 80000	0 173	36.62	1 00E+00	3.33	
3 000	-0 180	0 2000	12 00000	0 180	36.61	1 05E+00	3.37	
3 200	-0 192	0 2033	12.20000	0 192	36.60	1 12E+00	3.44	
3 400	-0 199	0 2067	12.40000	0 199	36.59	1 16E+00	3.48	
3 600	-0 205	0 2100	12.60000	0 205	36.58	1 19E+00	3.52	
3 800	-0 211	0 2133	12.80000	0 211	36.58	1 23E+00	3.55	
4 000	-0 218	0 2167	13 00000	0 218	36.57	1 27E+00	3.60	
4 200	-0 224	0 2200	13 20000	0 224	36.56	1 30E+00	3.63	
4 400	-0 230	0 2233	13 40000	0 230	36.56	1 34E+00	3.66	
4 600	-0 233	0 2267	13 60000	0 233	36.56	1 35E+00	3.68	
4 800	-0 246	0 2300	13 80000	0 246	36.54	1 43E+00	3.76	
5 000	-0 252	0 2333	14 00000	0 252	36.54	1 46E+00	3.79	
5 200	-0 259	0 2367	14 20000	0 259	36.53	1 50E+00	3.83	
5 400	-0 268	0 2400	14 40000	0 268	36.52	1 56E+00	3.89	
5 600	-0 274	0 2433	14 60000	0 274	36.51	1 59E+00	3.92	
5 800	-0 281	0 2467	14 80000	0 281	36.51	1 63E+00	3.96	
6 000	-0 287	0 2500	15 00000	0 287	36.50	1 67E+00	4.00	
6 200	-0 297	0 2533	15 20000	0 297	36.49	1 72E+00	4.05	
6 400	-0 300	0 2567	15 40000	0 300	36.49	1 74E+00	4.07	
6 600	-0 309	0 2600	15 60000	0 309	36.48	1 79E+00	4.12	
6 800	-0 316	0 2633	15 80000	0 316	36.47	1 84E+00	4.16	
7 000	-0 322	0 2667	16.00000	0 322	36.47	1 87E+00	4.20	
7 200	-0 325	0 2700	16 20000	0 325	36.46	1 89E+00	4.22	
7 400	-0 338	0 2733	16 40000	0 338	36.45	1 96E+00	4.29	
7 600	-0 341	0 2767	16.60000	0 341	36.45	1 98E+00	4.31	
7 800	-0 350	0 2800	16 80000	0 350	36.44	2 03E+00	4.36	
8 000	-0 357	0 2833	17 00000	0 357	36.43	2 07E+00	4.40	
8 200	-0 360	0 2867	17 20000	0 360	36.43	2 09E+00	4.42	
8 400	-0 369	0 2900	17 40000	0 369	36.42	2.14E+00	4.47	
8 600	-0 369	0 2933	17 60000	0 369	36.42	2.14E+00	4.47	
8 800	-0 379	0 2967	17 80000	0 379	36.41	2.20E+00	4.53	
9 000	-0 388	0 3000	18 00000	0 388	36.40	2.25E+00	4.58	
9 200	-0 391	0 3033	18 20000	0 391	36.40	2.27E+00	4.60	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
9 400	-0 398	0 3067	18 40000	0 398	36 39	2.31E+00	4 64	
9 600	-0 404	0 3100	18 60000	0 404	36 38	2.35E+00	4 68	
9 800	-0 410	0 3133	18 80000	0 410	36.38	2.38E+00	4 71	
10 000	-0 414	0 3167	19 00000	0 414	36 37	2.40E+00	4 73	
12 000	-0 477	0 3500	21 00000	0 477	36 31	2.77E+00	5 10	
14 000	-0 540	0 3833	23 00000	0 540	36 25	3.14E+00	5 47	
16 000	-0 606	0 4167	25 00000	0 606	36 18	3.52E+00	5 85	
18 000	-0 660	0 4500	27 00000	0 660	36 13	3.83E+00	6 16	
20 000	-0 711	0 4833	29 00000	0 711	36 08	4.13E+00	6 46	
22 000	-0 768	0 5167	31 00000	0 768	36 02	4.46E+00	6 79	
24 000	-0 824	0 5500	33 00000	0 824	35 96	4.79E+00	7 11	
26 000	-0 884	0 5833	35 00000	0 884	35 90	5.13E+00	7 46	
28 000	-0 941	0 6167	37 00000	0 941	35 85	5.47E+00	7 79	
30 000	-0 995	0 6500	39 00000	0 995	35 79	5.78E+00	8 11	
32 000	-1 049	0 6833	41 00000	1 049	35 74	6.09E+00	8 42	
34 000	-1 109	0 7167	43 00000	1 109	35 68	6.44E+00	8 77	
36 000	-1 159	0 7500	45 00000	1 159	35 63	6.73E+00	9 06	
38 000	-1 213	0 7833	47 00000	1 213	35 58	7.04E+00	9 37	
40 000	-1 264	0 8167	49 00000	1 264	35 52	7.34E+00	9 67	
42 000	-1 321	0 8500	51 00000	1 321	35 47	7.67E+00	10 00	
44 000	-1 371	0 8833	53 00000	1 371	35 42	7.96E+00	10 29	
46 000	-1 428	0 9167	55 00000	1 428	35 36	8.29E+00	10 62	
48 000	-1 482	0 9500	57 00000	1 482	35 31	8.61E+00	10 94	
50 000	-1 532	0 9833	59 00000	1 532	35 26	8.90E+00	11 23	
52 000	-1 583	1 0167	61 00000	1 583	35 21	9.19E+00	11 52	
54 000	-1 634	1 0500	63 00000	1 634	35 15	9.49E+00	11 82	
56 000	-1 697	1 0833	65 00000	1 697	35 09	9.86E+00	12 18	
58 000	-1 741	1 1167	67 00000	1 741	35 05	1.01E+01	12 44	
60 000	-1 788	1 1500	69 00000	1 788	35 00	1.04E+01	12.71	
62 000	-1 839	1 1833	71 00000	1 839	34 95	1.07E+01	13 01	
64 000	-1 890	1 2167	73 00000	1 890	34 90	1.10E+01	13 31	
66 000	-1 940	1 2500	75 00000	1 940	34 85	1.13E+01	13 60	
68 000	-1 991	1 2833	77 00000	1 991	34 80	1.16E+01	13 89	
70 000	-2.041	1 3167	79 00000	2.041	34 75	1.19E+01	14 18	
72 000	-2.089	1 3500	81 00000	2.089	34 70	1.21E+01	14 46	
74 000	-2 130	1 3833	83 00000	2.130	34 66	1.24E+01	14 70	
76 000	-2.168	1 4167	85 00000	2.168	34 62	1.26E+01	14 92	
78 000	-2.202	1 4500	87 00000	2.202	34 59	1.28E+01	15 12	
80 000	-2.237	1 4833	89 00000	2.237	34 55	1.30E+01	15 32	
82 000	-2.266	1 5167	91 00000	2.266	34 52	1.32E+01	15 49	
84 000	-2.291	1 5500	93 00000	2.291	34 50	1.33E+01	15 63	
86 000	-2.313	1 5833	95 00000	2.313	34 48	1.34E+01	15 76	
88 000	-2 335	1 6167	97 00000	2.335	34 45	1.36E+01	15 89	
90 000	-2 357	1 6500	99 00000	2.357	34 43	1.37E+01	16 02	
92 000	-2.373	1 6833	101 00000	2.373	34 42	1.38E+01	16 11	
94 000	-2.386	1 7167	103 00000	2.386	34 40	1.39E+01	16 19	
96 000	-2.405	1 7500	105 00000	2.405	34 38	1.40E+01	16 30	
98 000	-2.421	1 7833	107 00000	2.421	34 37	1.41E+01	16 39	
100 000	-2.433	1 8167	109 00000	2.433	34 36	1.41E+01	16 46	
120 000	-2 515	2 1500	129 00000	2.515	34 27	1.46E+01	16 94	
140 000	-2.563	2.4833	149 00000	2.563	34 23	1.49E+01	17 21	
160 000	-2.594	2.8167	169 00000	2.594	34 19	1.51E+01	17 39	
180 000	-2 620	3 1500	189 00000	2.620	34 17	1.52E+01	17 55	
200 000	-2.639	3 4833	209 00000	2.639	34 15	1.53E+01	17 66	
220 000	-2 651	3 8167	229 00000	2.651	34 14	1.54E+01	17 73	
240 000	-2.658	4 1500	249 00000	2.658	34 13	1.54E+01	17 77	
260 000	-2.670	4 4833	269 00000	2.670	34 12	1.55E+01	17 84	
280 000	-2 673	4 8167	289 00000	2.673	34 12	1.55E+01	17 85	
300 000	-2 677	5 1500	309 00000	2.677	34 11	1.55E+01	17 88	
320 000	-2.680	5 4833	329 00000	2.680	34 11	1.56E+01	17 89	
340 000	-2.683	5 8167	349 00000	2.683	34 11	1.56E+01	17 91	
360 000	-2 683	6 1500	369 00000	2.683	34 11	1.56E+01	17 91	
380 000	-2 686	6 4833	389 00000	2.686	34 10	1.56E+01	17 93	
400 000	-2 686	6 8167	409 00000	2.686	34 10	1.56E+01	17 93	
420 000	-2 696	7 1500	429 00000	2.696	34 09	1.57E+01	17 99	
440 000	-2 692	7 4833	449 00000	2.692	34 10	1.56E+01	17 96	
460 000	-2 692	7 8167	469 00000	2.692	34 10	1.56E+01	17 96	
480 000	-2.692	8 1500	489 00000	2.692	34 10	1.56E+01	17 96	
500 000	-2 708	8 4833	509 00000	2.708	34 08	1.57E+01	18 06	
520 000	-2.705	8 8167	529 00000	2.705	34 08	1.57E+01	18 04	
540 000	-2.705	9 1500	549 00000	2.705	34 08	1.57E+01	18 04	
560 000	-2.702	9 4833	569 00000	2.702	34 09	1.57E+01	18 02	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
580 000	-2.699	9.8167	589 00000	2.699	34.09		1.57E+01	18.00
600 000	-2.699	10.1500	609 00000	2.699	34.09		1.57E+01	18.00
620 000	-2.702	10.4833	629 00000	2.702	34.09		1.57E+01	18.02
640 000	-2.702	10.8167	649 00000	2.702	34.09		1.57E+01	18.02
660 000	-2.711	11.1500	669 00000	2.711	34.08		1.57E+01	18.07
680 000	-2.711	11.4833	689 00000	2.711	34.08		1.57E+01	18.07
700 000	-2.711	11.8167	709 00000	2.711	34.08		1.57E+01	18.07
720 000	-2.711	12.1500	729 00000	2.711	34.08		1.57E+01	18.07
740 000	-2.711	12.4833	749 00000	2.711	34.08		1.57E+01	18.07
760 000	-2.711	12.8167	769 00000	2.711	34.08		1.57E+01	18.07
780 000	-2.711	13.1500	789 00000	2.711	34.08		1.57E+01	18.07
800 000	-2.708	13.4833	809 00000	2.708	34.08		1.57E+01	18.06
820 000	-2.708	13.8167	829 00000	2.708	34.08		1.57E+01	18.06
840 000	-2.708	14.1500	849 00000	2.708	34.08		1.57E+01	18.06
860 000	-2.705	14.4833	869 00000	2.705	34.08		1.57E+01	18.04
880 000	-2.705	14.8167	889 00000	2.705	34.08		1.57E+01	18.04
900 000	-2.705	15.1500	909 00000	2.705	34.08		1.57E+01	18.04
920 000	-2.705	15.4833	929 00000	2.705	34.08		1.57E+01	18.04
940 000	-2.702	15.8167	949 00000	2.702	34.09		1.57E+01	18.02
960 000	-2.702	16.1500	969 00000	2.702	34.09		1.57E+01	18.02
980 000	-2.711	16.4833	989 00000	2.711	34.08		1.57E+01	18.07
1000 000	-2.708	16.8167	1009 00000	2.708	34.08		1.57E+01	18.06

Well No. 11791

Measured recovery after sampling

Date: 27-Jul-94

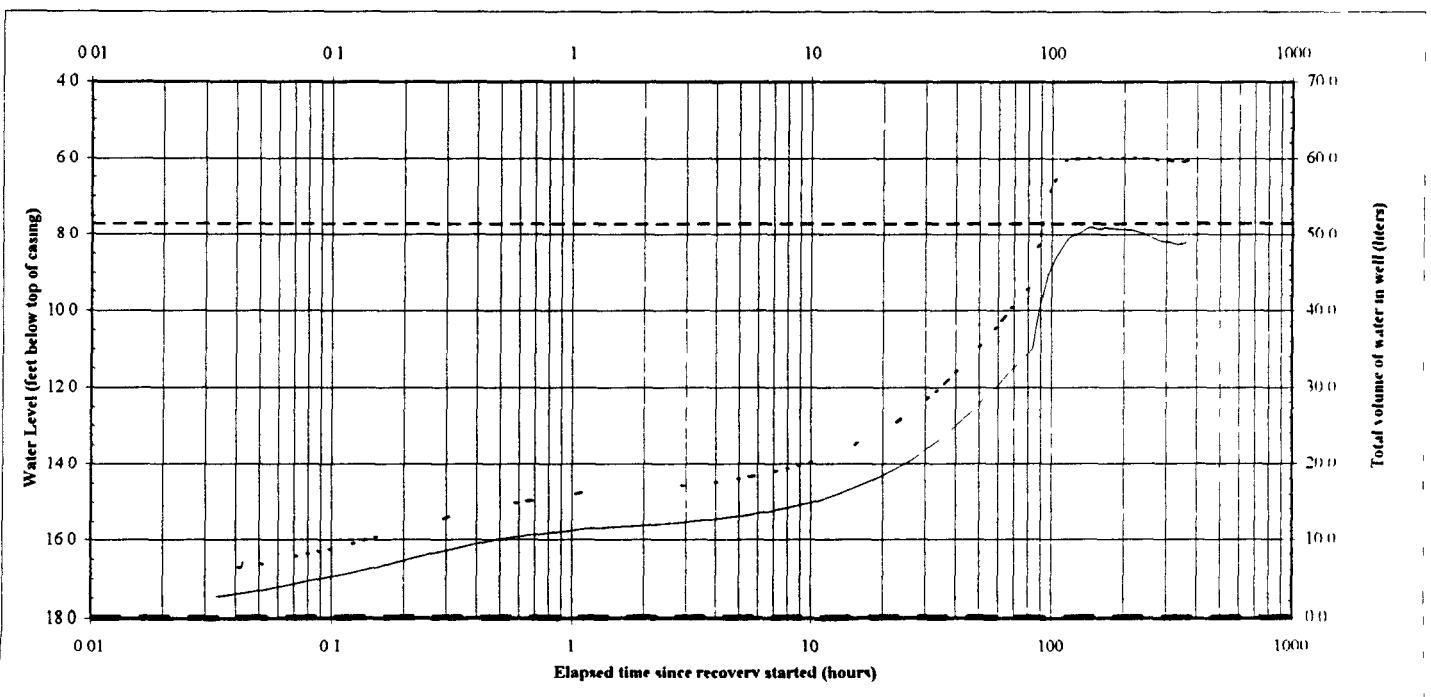
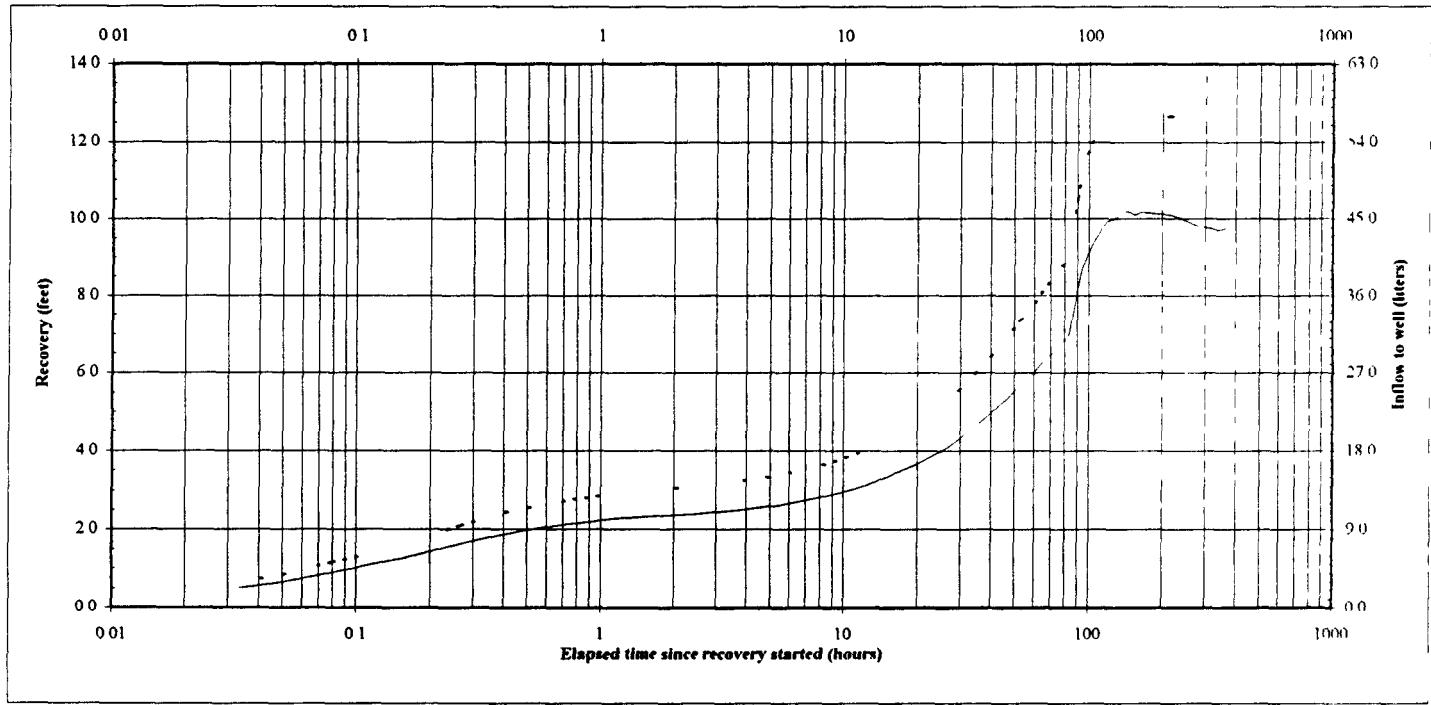
3rd quarter 1994

Water Level

Volume

Extrapolation to 100% recovery

Pre-sampling
Static Water Level
Bottom of well



Well No.

11791

Date Sampled

3rd quarter
27-Jan-94

Final bail time	11:12	Delay	2 00	Minutes
Set transducer time	11:14 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			
Static water level (pre-sampling)	7.7	feet below top of casing		
Final water level (post-recovery)	8.1	feet below top of casing		
Last recorded water level	9.9	feet below transducer		
Transducer Reference Depth	18.0	feet below top of casing		
Bottom of well	18.0	feet below top of casing		
First recorded water level	9.5	feet below transducer		
First recorded water level	17.5	feet below top of casing		
Water column remaining in casing after purging	0.5	feet		
Volume remaining in casing after purging	3.1	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	8.2	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data						Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0.000	-0.508	0.0333	2.00000	0.508	17.46	2.95E+00	6.01
0.003	-0.508	0.0334	2.00330	0.508	17.46	2.97E+00	6.02
0.007	-0.511	0.0334	2.00660	0.511	17.46	2.97E+00	6.02
0.010	-0.511	0.0335	2.01000	0.511	17.46	2.97E+00	6.02
0.013	-0.511	0.0336	2.01330	0.511	17.46	2.97E+00	6.02
0.017	-0.511	0.0336	2.01660	0.511	17.46	2.97E+00	6.02
0.020	-0.511	0.0337	2.02000	0.511	17.46	2.97E+00	6.02
0.023	-0.511	0.0337	2.02330	0.511	17.46	2.97E+00	6.02
0.027	-0.514	0.0338	2.02660	0.514	17.46	2.99E+00	6.04
0.030	-0.514	0.0338	2.03000	0.514	17.46	2.99E+00	6.04
0.033	-0.514	0.0339	2.03330	0.514	17.46	2.99E+00	6.04
0.037	-0.514	0.0339	2.03660	0.514	17.46	2.99E+00	6.04
0.040	-0.514	0.0340	2.04000	0.514	17.46	2.99E+00	6.04
0.043	-0.514	0.0341	2.04330	0.514	17.46	2.99E+00	6.04
0.047	-0.514	0.0341	2.04660	0.514	17.46	2.99E+00	6.04
0.050	-0.517	0.0342	2.05000	0.517	17.46	3.00E+00	6.06
0.053	-0.514	0.0342	2.05330	0.514	17.46	2.99E+00	6.04
0.057	-0.517	0.0343	2.05660	0.517	17.46	3.00E+00	6.06
0.060	-0.517	0.0343	2.06000	0.517	17.46	3.00E+00	6.06
0.063	-0.517	0.0344	2.06330	0.517	17.46	3.00E+00	6.06
0.067	-0.517	0.0344	2.06660	0.517	17.46	3.00E+00	6.06
0.070	-0.517	0.0345	2.07000	0.517	17.46	3.00E+00	6.06
0.073	-0.517	0.0346	2.07330	0.517	17.46	3.00E+00	6.06
0.077	-0.517	0.0346	2.07660	0.517	17.46	3.00E+00	6.06
0.080	-0.520	0.0347	2.08000	0.520	17.45	3.02E+00	6.07
0.083	-0.520	0.0347	2.08330	0.520	17.45	3.02E+00	6.07
0.087	-0.520	0.0348	2.08660	0.520	17.45	3.02E+00	6.07
0.090	-0.520	0.0348	2.09000	0.520	17.45	3.02E+00	6.07
0.093	-0.520	0.0349	2.09330	0.520	17.45	3.02E+00	6.07
0.097	-0.520	0.0349	2.09660	0.520	17.45	3.02E+00	6.07
0.100	-0.520	0.0350	2.10000	0.520	17.45	3.02E+00	6.07
0.103	-0.520	0.0351	2.10330	0.520	17.45	3.02E+00	6.07
0.107	-0.520	0.0351	2.10660	0.520	17.45	3.02E+00	6.07
0.110	-0.524	0.0352	2.11000	0.524	17.45	3.04E+00	6.10
0.113	-0.524	0.0352	2.11330	0.524	17.45	3.04E+00	6.10
0.117	-0.524	0.0353	2.11660	0.524	17.45	3.04E+00	6.10
0.120	-0.524	0.0353	2.12000	0.524	17.45	3.04E+00	6.10
0.123	-0.524	0.0354	2.12330	0.524	17.45	3.04E+00	6.10
0.127	-0.524	0.0354	2.12660	0.524	17.45	3.04E+00	6.10

Input data							Cumulative	Volume of
Transducer Elapsed Time (minutes)	Elapsed Time Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)	
0 130	-0 524	0 0355	2 13000	0 524	17 45	3 04E+00	6 10	
0 133	-0 527	0 0356	2 13330	0 527	17 45	3 06E+00	6 12	
0 137	-0 527	0 0356	2 13660	0 527	17 45	3 06E+00	6 12	
0 140	-0 527	0 0357	2 14000	0 527	17 45	3 06E+00	6 12	
0 143	-0 527	0 0357	2 14330	0 527	17 45	3 06E+00	6 12	
0 147	-0 527	0 0358	2 14660	0 527	17 45	3 06E+00	6 12	
0 150	-0 527	0 0358	2 15000	0 527	17 45	3 06E+00	6 12	
0 153	-0 527	0 0359	2 15330	0 527	17 45	3 06E+00	6 12	
0 157	-0 530	0 0359	2 15660	0 530	17 44	3 08E+00	6 13	
0 160	-0 530	0 0360	2 16000	0 530	17 44	3 08E+00	6 13	
0 163	-0 530	0 0361	2 16330	0 530	17 44	3 08E+00	6 13	
0 167	-0 530	0 0361	2 16660	0 530	17 44	3 08E+00	6 13	
0 170	-0 530	0 0362	2 17000	0 530	17 44	3 08E+00	6 13	
0 173	-0 530	0 0362	2 17330	0 530	17 44	3 08E+00	6 13	
0 177	-0 533	0 0363	2 17660	0 533	17 44	3 10E+00	6 15	
0 180	-0 533	0 0363	2 18000	0 533	17 44	3 10E+00	6 15	
0 183	-0 533	0 0364	2 18330	0 533	17 44	3 10E+00	6 15	
0 187	-0 533	0 0364	2 18660	0 533	17 44	3 10E+00	6 15	
0 190	-0 533	0 0365	2 19000	0 533	17 44	3 10E+00	6 15	
0 193	-0 533	0 0366	2 19330	0 533	17 44	3 10E+00	6 15	
0 197	-0 536	0 0366	2 19660	0 536	17 44	3 11E+00	6 17	
0 200	-0 536	0 0367	2 20000	0 536	17 44	3 11E+00	6 17	
0 203	-0 536	0 0367	2.20330	0 536	17 44	3 11E+00	6 17	
0 207	-0 536	0 0368	2 20660	0 536	17 44	3 11E+00	6 17	
0 210	-0 536	0 0368	2 21000	0 536	17 44	3 11E+00	6 17	
0 213	-0 536	0 0369	2 21330	0 536	17 44	3 11E+00	6 17	
0 217	-0 539	0 0369	2.21660	0 539	17 43	3 13E+00	6 19	
0 220	-0 539	0 0370	2 22000	0 539	17 43	3 13E+00	6 19	
0 223	-0 539	0 0371	2 22330	0 539	17 43	3 13E+00	6 19	
0 227	-0 539	0 0371	2.22660	0 539	17 43	3 13E+00	6 19	
0 230	-0 539	0 0372	2.23000	0 539	17 43	3 13E+00	6 19	
0 233	-0 543	0 0372	2.23330	0 543	17 43	3 15E+00	6 21	
0 237	-0 543	0 0373	2 23660	0 543	17 43	3 15E+00	6 21	
0 240	-0 543	0 0373	2.24000	0 543	17 43	3 15E+00	6 21	
0 243	-0 543	0 0374	2 24330	0 543	17 43	3 15E+00	6 21	
0 247	-0 543	0 0374	2 24660	0 543	17 43	3 15E+00	6 21	
0 250	-0 546	0 0375	2.25000	0 546	17 43	3 17E+00	6 23	
0 253	-0 546	0 0376	2 25330	0 546	17 43	3 17E+00	6 23	
0 257	-0 546	0 0376	2.25660	0 546	17 43	3 17E+00	6 23	
0 260	-0 546	0 0377	2 26000	0 546	17 43	3 17E+00	6 23	
0 263	-0 546	0 0377	2.26330	0 546	17 43	3 17E+00	6 23	
0 267	-0 546	0 0378	2.26660	0 546	17 43	3 17E+00	6 23	
0 270	-0 546	0 0378	2.27000	0 546	17 43	3 17E+00	6 23	
0 273	-0 549	0 0379	2 27330	0 549	17 42	3 19E+00	6 24	
0 277	-0 549	0 0379	2.27660	0 549	17 42	3 19E+00	6 24	
0 280	-0 549	0 0380	2 28000	0 549	17 42	3 19E+00	6 24	
0 283	-0 549	0 0381	2.28330	0 549	17 42	3 19E+00	6 24	
0 287	-0 552	0 0381	2 28660	0 552	17 42	3 21E+00	6 26	
0 290	-0 552	0 0382	2 29000	0 552	17 42	3 21E+00	6 26	
0 293	-0 552	0 0382	2 29330	0 552	17 42	3 21E+00	6 26	
0 297	-0 552	0 0383	2 29660	0 552	17 42	3 21E+00	6 26	
0 300	-0 552	0 0383	2 30000	0 552	17 42	3 21E+00	6 26	
0 303	-0 555	0 0384	2 30330	0 555	17 42	3 22E+00	6 28	
0 307	-0 555	0 0384	2 30660	0 555	17 42	3 22E+00	6 28	
0 310	-0 555	0 0385	2 31000	0 555	17 42	3 22E+00	6 28	
0 313	-0 555	0 0386	2 31330	0 555	17 42	3 22E+00	6 28	
0 317	-0 555	0 0386	2 31660	0 555	17 42	3 22E+00	6 28	
0 320	-0 555	0 0387	2 32000	0 555	17 42	3 22E+00	6 28	
0 323	-0 555	0 0387	2 32330	0 555	17 42	3 22E+00	6 28	
0 327	-0 555	0 0388	2 32660	0 555	17 42	3 22E+00	6 28	
0 330	-0 558	0 0388	2 33000	0 558	17 41	3 24E+00	6 30	
0 333	-0 558	0 0389	2 33330	0 558	17 41	3 24E+00	6 30	
0 350	-0 561	0 0392	2.35000	0 561	17 41	3 26E+00	6 31	
0 367	-0 565	0 0394	2 36660	0 565	17 41	3 28E+00	6 34	
0 383	-0 568	0 0397	2 38330	0 568	17 40	3 30E+00	6 35	
0 400	-0 571	0 0400	2.40000	0 571	17 40	3 32E+00	6 37	
0 417	-0 571	0 0403	2 41660	0 571	17 40	3 32E+00	6 37	
0 433	-0 574	0 0406	2.43330	0 574	17 40	3 33E+00	6 39	
0 450	-0 577	0 0408	2 45000	0 577	17 40	3 35E+00	6 41	
0 467	-0 577	0 0411	2 46660	0 577	17 40	3 35E+00	6 41	
0 483	-0 580	0 0414	2 48330	0 580	17 39	3 37E+00	6 42	
0 500	-0 584	0 0417	2 50000	0 584	17 39	3 39E+00	6 45	
0 517	-0 587	0 0419	2.51660	0 587	17 39	3 41E+00	6 46	

Input data		Transducer (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time							
0 533	-0 590	0 0422	2 53330	0 590	17 38	3 43E+00	6 48	
0 550	-0 593	0 0425	2 55000	0 593	17 38	3 44E+00	6 50	
0 567	-0 593	0 0428	2 56660	0 593	17 38	3 44E+00	6 50	
0 583	-0 596	0 0431	2 58330	0 596	17 38	3 46E+00	6 52	
0 600	-0 599	0 0433	2 60000	0 599	17 37	3 48E+00	6 53	
0 617	-0 603	0 0436	2 61660	0 603	17 37	3 50E+00	6 56	
0 633	-0 606	0 0439	2 63330	0 606	17 37	3 52E+00	6 57	
0 650	-0 609	0 0442	2 65000	0 609	17 36	3 54E+00	6 59	
0 667	-0 612	0 0444	2 66660	0 612	17 36	3 55E+00	6 61	
0 683	-0 612	0 0447	2 68330	0 612	17 36	3 55E+00	6 61	
0 700	-0 615	0 0450	2 70000	0 615	17 36	3 57E+00	6 63	
0 717	-0 618	0 0453	2 71660	0 618	17 35	3 59E+00	6 64	
0 733	-0 621	0 0456	2 73330	0 621	17 35	3 61E+00	6 66	
0 750	-0 625	0 0458	2 75000	0 625	17 35	3 63E+00	6 68	
0 767	-0 628	0 0461	2 76660	0 628	17 34	3 65E+00	6 70	
0 783	-0 631	0 0464	2 78330	0 631	17 34	3 66E+00	6 72	
0 800	-0 631	0 0467	2 80000	0 631	17 34	3 66E+00	6 72	
0 817	-0 634	0 0469	2 81660	0 634	17 34	3 68E+00	6 74	
0 833	-0 637	0 0472	2 83330	0 637	17 34	3 70E+00	6 75	
0 850	-0 640	0 0475	2 85000	0 640	17 33	3 72E+00	6 77	
0 867	-0 644	0 0478	2 86660	0 644	17 33	3 74E+00	6 80	
0 883	-0 647	0 0481	2 88330	0 647	17 33	3 76E+00	6 81	
0 900	-0 647	0 0483	2 90000	0 647	17 33	3 76E+00	6 81	
0 917	-0 650	0 0486	2 91660	0 650	17 32	3 78E+00	6 83	
0 933	-0 653	0 0489	2 93330	0 653	17 32	3 79E+00	6 85	
0 950	-0 653	0 0492	2 95000	0 653	17 32	3 79E+00	6 85	
0 967	-0 656	0 0494	2 96660	0 656	17 32	3 81E+00	6 86	
0 983	-0 659	0 0497	2 98330	0 659	17 31	3 83E+00	6 88	
1 000	-0 659	0 0500	3 00000	0 659	17 31	3 83E+00	6 88	
1 200	-0 694	0 0533	3 20000	0 694	17 28	4 03E+00	7 09	
1 400	-0 719	0 0567	3 40000	0 719	17 25	4 18E+00	7 23	
1 600	-0 748	0 0600	3 60000	0 748	17 22	4 34E+00	7 40	
1 800	-0 773	0 0633	3 80000	0 773	17 20	4 49E+00	7 54	
2 000	-0 798	0 0667	4 00000	0 798	17 17	4 63E+00	7 69	
2 200	-0 824	0 0700	4 20000	0 824	17 15	4 79E+00	7 84	
2 400	-0 852	0 0733	4 40000	0 852	17 12	4 95E+00	8 00	
2 600	-0 874	0 0767	4 60000	0 874	17 10	5 08E+00	8 13	
2 800	-0 896	0 0800	4 80000	0 896	17 08	5 20E+00	8 26	
3 000	-0 921	0 0833	5 00000	0 921	17 05	5 35E+00	8 40	
3 200	-0 940	0 0867	5 20000	0 940	17 03	5 46E+00	8 51	
3 400	-0 959	0 0900	5 40000	0 959	17 01	5 57E+00	8 62	
3 600	-0 975	0 0933	5 60000	0 975	17 00	5 66E+00	8 72	
3 800	-0 991	0 0967	5 80000	0 991	16 98	5 76E+00	8 81	
4 000	-1 010	0 1000	6 00000	1 010	16 96	5 87E+00	8 92	
4 200	-1 029	0 1033	6 20000	1 029	16 94	5 98E+00	9 03	
4 400	-1 045	0 1067	6 40000	1 045	16 93	6 07E+00	9 12	
4 600	-1 063	0 1100	6 60000	1 063	16 91	6 17E+00	9 23	
4 800	-1 079	0 1133	6 80000	1 079	16 89	6 27E+00	9 32	
5 000	-1 098	0 1167	7 00000	1 098	16 87	6 38E+00	9 43	
5 200	-1 114	0 1200	7 20000	1 114	16 86	6 47E+00	9 52	
5 400	-1 130	0 1233	7 40000	1 130	16 84	6 56E+00	9 62	
5 600	-1 146	0 1267	7 60000	1 146	16 83	6 66E+00	9 71	
5 800	-1 161	0 1300	7 80000	1 161	16 81	6 74E+00	9 80	
6 000	-1 177	0 1333	8 00000	1 177	16 80	6 84E+00	9 89	
6 200	-1 193	0 1367	8 20000	1 193	16 78	6 93E+00	9 98	
6 400	-1 206	0 1400	8 40000	1 206	16 77	7 00E+00	10 06	
6 600	-1 221	0 1433	8 60000	1 221	16 75	7 09E+00	10 15	
6 800	-1 237	0 1467	8 80000	1 237	16 74	7 18E+00	10 24	
7 000	-1 250	0 1500	9 00000	1 250	16 72	7 26E+00	10 31	
7 200	-1 266	0 1533	9 20000	1 266	16 71	7 35E+00	10 41	
7 400	-1 278	0 1567	9 40000	1 278	16 69	7 42E+00	10 48	
7 600	-1 291	0 1600	9 60000	1 291	16 68	7 50E+00	10 55	
7 800	-1 303	0 1633	9 80000	1 303	16 67	7 57E+00	10 62	
8 000	-1 319	0 1667	10 00000	1 319	16 65	7 66E+00	10 72	
8 200	-1 332	0 1700	10 20000	1 332	16 64	7 74E+00	10 79	
8 400	-1 344	0 1733	10 40000	1 344	16 63	7 81E+00	10 86	
8 600	-1 357	0 1767	10 60000	1 357	16 62	7 88E+00	10 94	
8 800	-1 370	0 1800	10 80000	1 370	16 60	7 96E+00	11 01	
9 000	-1 382	0 1833	11 00000	1 382	16 59	8 03E+00	11 08	
9 200	-1 392	0 1867	11 20000	1 392	16 58	8 08E+00	11 14	
9 400	-1 404	0 1900	11 40000	1 404	16 57	8 15E+00	11 21	
9 600	-1 417	0 1933	11 60000	1 417	16 56	8 23E+00	11 28	
9 800	-1 427	0 1967	11 80000	1 427	16 55	8 29E+00	11 34	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
	10 000	-1 439	0 2000	12.00000	1 439	16 53	8 36E+00	11 41
	12 000	-1 540	0 2333	14 00000	1 540	16 43	8 94E+00	12 00
	14 000	-1 629	0 2667	16 00000	1 629	16 34	9 46E+00	12 52
	16 000	-1 704	0 3000	18 00000	1 704	16 27	9 90E+00	12 95
	18 000	-1 771	0 3333	20 00000	1 771	16 20	1 03E+01	13 34
	20 000	-1 828	0 3667	22.00000	1 828	16 14	1 06E+01	13 67
	22 000	-1 878	0 4000	24 00000	1 878	16 09	1 09E+01	13 96
	24 000	-1 919	0 4333	26 00000	1 919	16 05	1 11E+01	14 20
	26 000	-1 954	0 4667	28 00000	1 954	16 02	1 13E+01	14 40
	28 000	-1 985	0 5000	30 00000	1 985	15 99	1 15E+01	14 58
	30 000	-2 014	0 5333	32 00000	2 014	15 96	1 17E+01	14 75
	32 000	-2 039	0 5667	34 00000	2.039	15 93	1 18E+01	14 90
	34 000	-2 061	0 6000	36 00000	2.061	15 91	1 20E+01	15 02
	36 000	-2 080	0 6333	38 00000	2.080	15 89	1 21E+01	15 14
	38 000	-2 099	0 6667	40 00000	2.099	15 87	1 22E+01	15 25
	40 000	-2 112	0 7000	42 00000	2 112	15 86	1 23E+01	15 32
	42 000	-2 128	0 7333	44 00000	2 128	15 84	1 24E+01	15 41
	44 000	-2 143	0 7667	46 00000	2.143	15 83	1 24E+01	15 50
	46 000	-2 156	0 8000	48 00000	2.156	15 82	1 25E+01	15 58
	48 000	-2 169	0 8333	50 00000	2 169	15 80	1 26E+01	15 65
	50 000	-2 178	0 8667	52.00000	2.178	15 79	1 26E+01	15 70
	52 000	-2 188	0 9000	54 00000	2.188	15 78	1 27E+01	15 76
	54 000	-2 197	0 9333	56 00000	2 197	15 78	1 28E+01	15 81
	56 000	-2 206	0 9667	58 00000	2 206	15 77	1 28E+01	15 87
	58 000	-2 222	1 0000	60 00000	2 222	15 75	1 29E+01	15 96
	60 000	-2 241	1 0333	62 00000	2 241	15 73	1 30E+01	16 07
	62 000	-2 260	1 0667	64 00000	2 260	15 71	1 31E+01	16 18
	64 000	-2 270	1 1000	66 00000	2 270	15 70	1 32E+01	16 24
	66 000	-2 276	1 1333	68 00000	2 276	15 70	1 32E+01	16 27
	68 000	-2 282	1 1667	70 00000	2 282	15 69	1 33E+01	16 31
	70 000	-2 289	1 2000	72.00000	2.289	15 68	1 33E+01	16 35
	72 000	-2 292	1 2333	74 00000	2 292	15 68	1 33E+01	16 37
	74 000	-2 295	1 2667	76 00000	2 295	15 68	1 33E+01	16 38
	76 000	-2 298	1 3000	78 00000	2.298	15 67	1 33E+01	16 40
	78 000	-2 301	1 3333	80 00000	2 301	15 67	1 34E+01	16 42
	80 000	-2 308	1 3667	82 00000	2 308	15 66	1 34E+01	16 46
	82 000	-2 311	1 4000	84 00000	2 311	15 66	1 34E+01	16 48
	84 000	-2 314	1 4333	86 00000	2.314	15 66	1 34E+01	16 49
	86 000	-2 317	1 4667	88 00000	2 317	15 66	1 35E+01	16 51
	88 000	-2 320	1 5000	90 00000	2 320	15 65	1 35E+01	16 53
	90 000	-2 323	1 5333	92 00000	2 323	15 65	1 35E+01	16 55
	92 000	-2 326	1 5667	94 00000	2 326	15 65	1 35E+01	16 56
	94 000	-2 330	1 6000	96 00000	2 330	15 64	1 35E+01	16 59
	96 000	-2 333	1 6333	98 00000	2.333	15 64	1 35E+01	16 60
	98 000	-2 336	1 6667	100 00000	2 336	15 64	1 36E+01	16 62
	100 000	-2 339	1 7000	102 00000	2 339	15 63	1 36E+01	16 64
	120 000	-2 367	2.0333	122 00000	2 367	15 61	1 37E+01	16 80
	140 000	-2 396	2 3667	142 00000	2 396	15 58	1 39E+01	16 97
	160 000	-2 421	2 7000	162 00000	2 421	15 55	1 41E+01	17 12
	180 000	-2 446	3 0333	182 00000	2 446	15 53	1 42E+01	17 26
	200 000	-2 478	3 3667	202 00000	2 478	15 49	1 44E+01	17 45
	220 000	-2 503	3 7000	222 00000	2 503	15 47	1 45E+01	17 59
	240 000	-2 525	4 0333	242 00000	2.525	15 45	1 47E+01	17 72
	260 000	-2 551	4 3667	262 00000	2 551	15 42	1 48E+01	17 87
	280 000	-2 573	4 7000	282 00000	2 573	15 40	1 49E+01	18 00
	300 000	-2 595	5 0333	302 00000	2 595	15 38	1 51E+01	18 13
	320 000	-2 620	5 3667	322 00000	2 620	15 35	1 52E+01	18 27
	340 000	-2 645	5 7000	342 00000	2 645	15 33	1 54E+01	18 42
	360 000	-2 671	6 0333	362 00000	2 671	15 30	1 55E+01	18 57
	380 000	-2 693	6 3667	382 00000	2 693	15 28	1 56E+01	18 70
	400 000	-2 718	6 7000	402 00000	2 718	15 25	1 58E+01	18 84
	420 000	-2 743	7 0333	422 00000	2 743	15 23	1 59E+01	18 99
	440 000	-2 769	7 3667	442 00000	2 769	15 20	1 61E+01	19 14
	460 000	-2 794	7 7000	462 00000	2 794	15 18	1 62E+01	19 28
	480 000	-2 819	8 0333	482 00000	2 819	15 15	1 64E+01	19 43
	500 000	-2 841	8 3667	502 00000	2 841	15 13	1 65E+01	19 55
	520 000	-2 866	8 7000	522 00000	2 866	15 11	1 66E+01	19 70
	540 000	-2 889	9 0333	542.00000	2 889	15 08	1 68E+01	19 83
	560 000	-2 914	9 3667	562.00000	2 914	15 06	1 69E+01	19 98
	580 000	-2 936	9 7000	582 00000	2 936	15 04	1 71E+01	20 11
	600 000	-2 958	10 0333	602.00000	2 958	15 01	1 72E+01	20 23
	620 000	-2 983	10 3667	622 00000	2 983	14 99	1 73E+01	20 38
	640 000	-3 005	10 7000	642 00000	3 005	14 97	1 75E+01	20 51

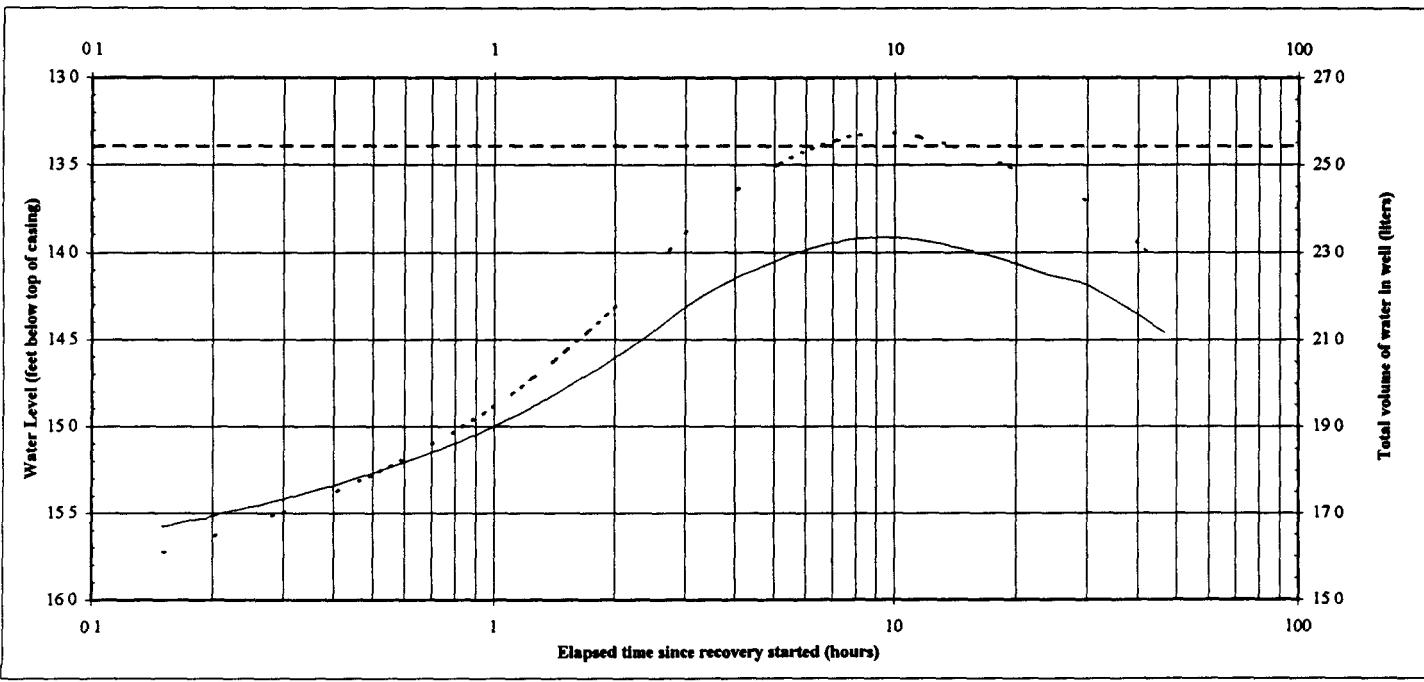
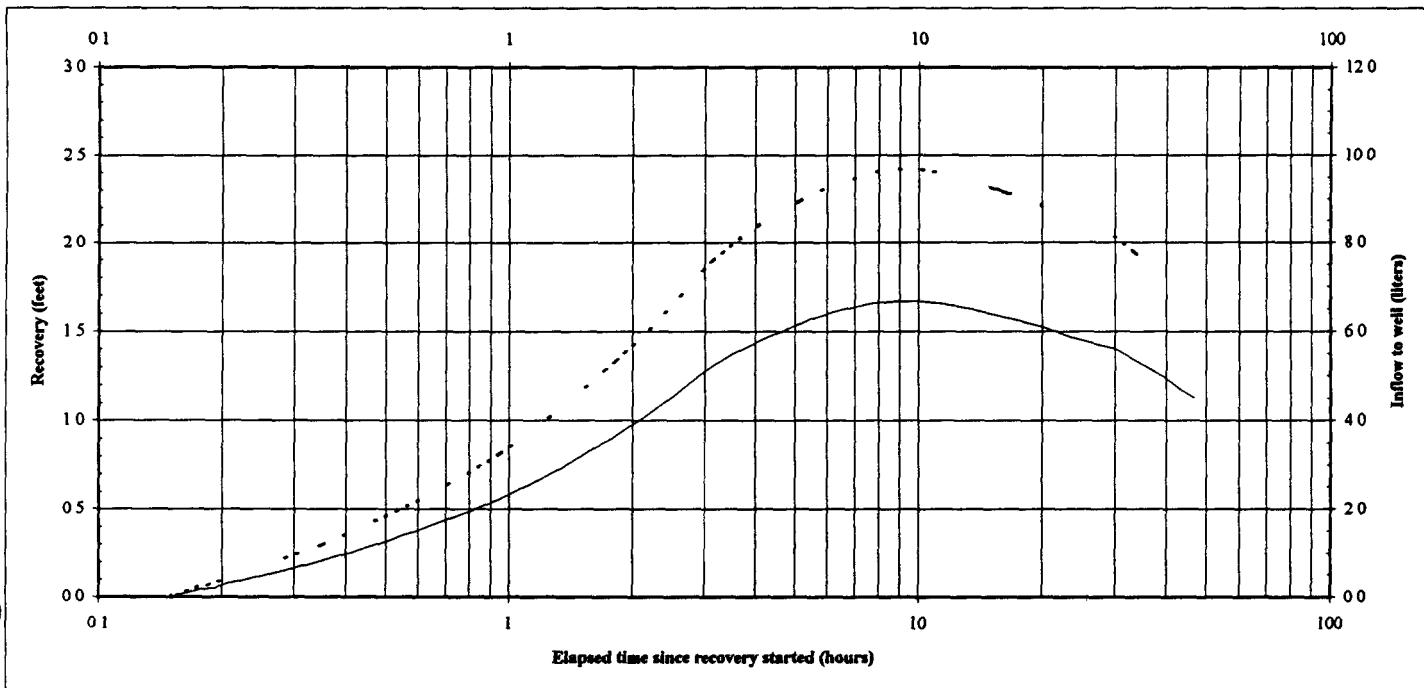
Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
660 000	-3 027	11 0333	662 00000	3 027	14 95	1 76E+01	20 63	
680 000	-3 053	11 3667	682 00000	3 053	14 92	1 77E+01	20 79	
700 000	-3 078	11 7000	702 00000	3 078	14 89	1 79E+01	20 93	
720 000	-3 103	12 0333	722 00000	3 103	14 87	1 80E+01	21 08	
740 000	-3 129	12 3667	742 00000	3 129	14 84	1 82E+01	21 23	
760 000	-3 154	12 7000	762 00000	3 154	14 82	1 83E+01	21 37	
780 000	-3 182	13 0333	782 00000	3 182	14 79	1 85E+01	21 54	
800 000	-3 207	13 3667	802 00000	3 207	14 77	1 86E+01	21 68	
820 000	-3 233	13 7000	822 00000	3 233	14 74	1 88E+01	21 83	
840 000	-3 258	14 0333	842 00000	3 258	14 71	1 89E+01	21 98	
860 000	-3 283	14 3667	862 00000	3 283	14 69	1 91E+01	22 12	
880 000	-3 309	14 7000	882 00000	3 309	14 66	1 92E+01	22 27	
900 000	-3 334	15 0333	902 00000	3 334	14 64	1 94E+01	22 42	
920 000	-3 362	15 3667	922 00000	3 362	14 61	1 95E+01	22 58	
940 000	-3 384	15 7000	942 00000	3 384	14 59	1 97E+01	22 71	
960 000	-3 410	16 0333	962 00000	3 410	14 56	1 98E+01	22 86	
980 000	-3 435	16 3667	982 00000	3 435	14 54	1 99E+01	23 00	
1000 000	-3 457	16 7000	1002 00000	3 457	14 52	2 01E+01	23 13	
1200 000	-3 678	20 0333	1202 00000	3 678	14 29	2 14E+01	24 42	
1400 000	-3 883	23 3667	1402 00000	3 883	14 09	2 26E+01	25 61	
1600 000	-4 101	26 7000	1602 00000	4 101	13 87	2 38E+01	26 87	
1800 000	-4 332	30 0333	1802 00000	4 332	13 64	2 52E+01	28 21	
2000 000	-4 556	33 3667	2002 00000	4 556	13 42	2 65E+01	29 52	
2200 000	-4 761	36 7000	2202 00000	4 761	13 21	2 77E+01	30 71	
2400 000	-4 963	40 0333	2402 00000	4 963	13 01	2 88E+01	31 88	
2600 000	-5 156	43 3667	2602 00000	5 156	12 82	2 99E+01	33 00	
2800 000	-5 339	46 7000	2802 00000	5 339	12 63	3 10E+01	34 06	
3000 000	-5 538	50 0333	3002 00000	5 538	12 43	3 22E+01	35 22	
3200 000	-5 709	53 3667	3202 00000	5 709	12 26	3 32E+01	36 21	
3400 000	-5 870	56 7000	3402 00000	5 870	12 10	3 41E+01	37 15	
3600 000	-6 028	60 0333	3602 00000	6 028	11 94	3 50E+01	38 06	
3800 000	-6 192	63 3667	3802 00000	6 192	11 78	3 60E+01	39 02	
4000 000	-6 344	66 7000	4002 00000	6 344	11 63	3 68E+01	39 90	
4200 000	-6 473	70 0333	4202 00000	6 473	11 50	3 76E+01	40 65	
4400 000	-6 615	73 3667	4402 00000	6 615	11 36	3 84E+01	41 47	
4600 000	-6 735	76 7000	4602 00000	6 735	11 24	3 91E+01	42 17	
4800 000	-6 849	80 0333	4802 00000	6 849	11 12	3 98E+01	42 83	
5000 000	-6 963	83 3667	5002 00000	6 963	11 01	4 04E+01	43 49	
5200 000	-7 588	86 7000	5202 00000	7 588	10 38	4 41E+01	47 12	
5400 000	-8 147	90 0333	5402 00000	8 147	9 83	4 73E+01	50 37	
5600 000	-8 580	93 3667	5602 00000	8 580	9 39	4 98E+01	52 89	
5800 000	-8 903	96 7000	5802 00000	8 903	9 07	5 17E+01	54 76	
6000 000	-9 136	100 0333	6002 00000	9 136	8 84	5 31E+01	56 11	
6200 000	-9 307	103 3667	6202 00000	9 307	8 67	5 41E+01	57 11	
6400 000	-9 462	106 7000	6402 00000	9 462	8 51	5 50E+01	58 01	
6600 000	-9 623	110 0333	6602 00000	9 623	8 35	5 59E+01	58 94	
6800 000	-9 756	113 3667	6802 00000	9 756	8 22	5 67E+01	59 72	
7000 000	-9 857	116 7000	7002 00000	9 857	8 12	5 68E+01	59 86	
7200 000	-9 933	120 0333	7202 00000	9 933	8 04	5 69E+01	59 91	
7400 000	-9 967	123 3667	7402 00000	9 967	8 01	5 69E+01	59 93	
7600 000	-9 999	126 7000	7602 00000	9 999	7 97	5 69E+01	59 95	
7800 000	-10 015	130 0333	7802 00000	10 015	7 96	5 69E+01	59 96	
8000 000	-10 075	133 3667	8002 00000	10 075	7 90	5 69E+01	60 00	
8200 000	-10 125	136 7000	8202 00000	10 125	7 85	5 70E+01	60 03	
8400 000	-10 163	140 0333	8402 00000	10 163	7 81	5 70E+01	60 05	
8600 000	-10 189	143 3667	8602 00000	10 189	7 78	5 70E+01	60 07	
8800 000	-10 176	146 7000	8802 00000	10 176	7 80	5 70E+01	60 06	
9000 000	-10 151	150 0333	9002 00000	10 151	7 82	5 70E+01	60 04	
9200 000	-10 119	153 3667	9202 00000	10 119	7 85	5 70E+01	60 02	
9400 000	-10 119	156 7000	9402 00000	10 119	7 85	5 70E+01	60 02	
9600 000	-10 144	160 0333	9602 00000	10 144	7 83	5 70E+01	60 04	
9800 000	-10 170	163 3667	9802 00000	10 170	7 80	5 70E+01	60 05	
10000 000	-10 170	166 7000	10002 00000	10 170	7 80	5 70E+01	60 05	
11440 000	-10 129	190 7000	11442 00000	10 129	7 84	5 70E+01	60 03	
12880 000	-10 116	214 7000	12882 00000	10 116	7 86	5 70E+01	60 02	
14320 000	-10 008	238 7000	14322 00000	10 008	7 96	5 69E+01	59 95	
15760 000	-9 876	262 7000	15762 00000	9 876	8 10	5 68E+01	59 87	
17200 000	-9 794	286 7000	17202 00000	9 794	8 18	5 68E+01	59 82	
18640 000	-9 784	310 7000	18642 00000	9 784	8 19	5 68E+01	59 82	
20080 000	-9 718	334 7000	20082 00000	9 718	8 25	5 64E+01	59 49	
21520 000	-9 743	358 7000	21522 00000	9 743	8 23	5 66E+01	59 64	
22960 000	-9 882	382 7000	22962 00000	9 882	8 09	5 68E+01	59 88	

Well No. 12291

Measured recovery after sampling

Date: 18-May-94

2nd quarter 1994

Pre-sampling
Static Water LevelWater Level
Volume

Bottom of well at 18 34 fbtc

Well No.

12291

Date Sampled

2nd quarter
5/18/94

Final bail time	12:00	Delay	9 00	Minutes
Set transducer time	12:09			
Static water level (pre-sampling)	13.4	feet below top of casing		
Final water level (post-recovery)	14.5	feet below top of casing		
Last recorded water level	11.1	feet below transducer		
Transducer Reference Depth	15.6	feet below top of casing		
Bottom of well	18.3	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	15.6	feet below top of casing		
Water column remaining in casing after purging	2.8	feet		
Volume remaining in casing after purging	16.1	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	20.0	inches	0.167	feet
Casing radius	10.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	6.0	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0.009	0 1500	9 00000	0 009	15 57	
0 003	-0.009	0 1501	9 00330	0 009	15 57	5 23E-02
0 007	-0.006	0 1501	9 00660	0 006	15 58	3 48E-02
0 010	-0.006	0 1502	9 01000	0 006	15 58	3 48E-02
0 013	-0.006	0 1502	9 01330	0 006	15 58	3 48E-02
0 017	-0.006	0 1503	9 01660	0 006	15 58	3 48E-02
0 020	-0.006	0 1503	9 02000	0 006	15 58	3 48E-02
0 023	-0.006	0 1504	9 02330	0 006	15 58	3 48E-02
0 027	-0.006	0 1504	9 02660	0 006	15 58	3 48E-02
0 030	-0.006	0 1505	9 03000	0 006	15 58	3 48E-02
0 033	-0.006	0 1506	9 03330	0 006	15 58	3 48E-02
0 037	-0.006	0 1506	9 03660	0 006	15 58	3 48E-02
0 040	-0.006	0 1507	9 04000	0 006	15 58	3 48E-02
0 043	-0.006	0 1507	9 04330	0 006	15 58	3 48E-02
0 047	-0.006	0 1508	9 04660	0 006	15 58	3 48E-02
0 050	-0.006	0 1508	9 05000	0 006	15 58	3 48E-02
0 053	-0.006	0 1509	9 05330	0 006	15 58	3 48E-02
0 057	-0.006	0 1509	9 05660	0 006	15 58	3 48E-02
0 060	-0.006	0 1510	9 06000	0 006	15 58	3 48E-02
0 063	-0.006	0 1511	9 06330	0 006	15 58	3 48E-02
0 067	-0.003	0 1511	9 06660	0 003	15 58	1 74E-02
0 070	-0.006	0 1512	9 07000	0 006	15 58	3 48E-02
0 073	-0.003	0 1512	9 07330	0 003	15 58	1 74E-02
0 077	-0.003	0 1513	9 07660	0 003	15 58	1 74E-02
0 080	-0.003	0 1513	9 08000	0 003	15 58	1 74E-02
0 083	-0.003	0 1514	9 08330	0 003	15 58	1 74E-02
0 087	-0.006	0 1514	9 08660	0 006	15 58	3 48E-02
0 090	-0.003	0 1515	9 09000	0 003	15 58	1 74E-02
0 093	-0.006	0 1516	9 09330	0 006	15 58	3 48E-02
0 097	-0.003	0 1516	9 09660	0 003	15 58	1 74E-02
0 100	-0.003	0 1517	9 10000	0 003	15 58	1 74E-02
0 103	-0.006	0 1517	9 10330	0 006	15 58	3 48E-02
0 107	-0.006	0 1518	9 10660	0 006	15 58	3 48E-02
0 110	-0.006	0 1518	9 11000	0 006	15 58	3 48E-02
0 113	-0.006	0 1519	9 11330	0 006	15 58	3 48E-02
0 117	-0.006	0 1519	9 11660	0 006	15 58	3 48E-02
0 120	-0.006	0 1520	9 12000	0 006	15 58	3 48E-02
0 123	-0.006	0 1521	9 12330	0 006	15 58	3 48E-02
0 127	-0.006	0 1521	9 12660	0 006	15 58	3 48E-02
0 130	-0.006	0 1522	9 13000	0 006	15 58	3 48E-02

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 133	-0 006	0 1522	9 13330	0 006	15 58	3 48E-02	16 10	
0 137	-0 006	0 1523	9 13660	0 006	15 58	3 48E-02	16 10	
0 140	-0 006	0 1523	9 14000	0 006	15 58	3 48E-02	16 10	
0 143	-0 006	0 1524	9 14330	0 006	15 58	3 48E-02	16 10	
0 147	-0 006	0 1524	9 14660	0 006	15 58	3 48E-02	16 10	
0 150	-0 006	0 1525	9 15000	0 006	15 58	3 48E-02	16 10	
0 153	-0 006	0 1526	9 15330	0 006	15 58	3 48E-02	16 10	
0 157	-0 006	0 1526	9 15660	0 006	15 58	3 48E-02	16 10	
0 160	-0 006	0 1527	9 16000	0 006	15 58	3 48E-02	16 10	
0 163	-0 006	0 1527	9 16330	0 006	15 58	3 48E-02	16 10	
0 167	-0 006	0 1528	9 16660	0 006	15 58	3 48E-02	16 10	
0 170	-0 006	0 1528	9 17000	0 006	15 58	3 48E-02	16 10	
0 173	-0 006	0 1529	9 17330	0 006	15 58	3 48E-02	16 10	
0 177	-0 006	0 1529	9 17660	0 006	15 58	3 48E-02	16 10	
0 180	-0 006	0 1530	9 18000	0 006	15 58	3 48E-02	16 10	
0 183	-0 006	0 1531	9 18330	0 006	15 58	3 48E-02	16 10	
0 187	-0 006	0 1531	9 18660	0 006	15 58	3 48E-02	16 10	
0 190	-0 006	0 1532	9 19000	0 006	15 58	3 48E-02	16 10	
0 193	-0 006	0 1532	9 19330	0 006	15 58	3 48E-02	16 10	
0 197	-0 006	0 1533	9 19660	0 006	15 58	3 48E-02	16 10	
0 200	-0 006	0 1533	9 20000	0 006	15 58	3 48E-02	16 10	
0 203	-0 006	0 1534	9 20330	0 006	15 58	3 48E-02	16 10	
0 207	-0 006	0 1534	9 20660	0 006	15 58	3 48E-02	16 10	
0 210	-0 006	0 1535	9 21000	0 006	15 58	3 48E-02	16 10	
0 213	-0 006	0 1536	9 21330	0 006	15 58	3 48E-02	16 10	
0 217	-0 006	0 1536	9 21660	0 006	15 58	3 48E-02	16 10	
0 220	-0 006	0 1537	9 22000	0 006	15 58	3 48E-02	16 10	
0 223	-0 006	0 1537	9 22330	0 006	15 58	3 48E-02	16 10	
0 227	-0 006	0 1538	9 22660	0 006	15 58	3 48E-02	16 10	
0 230	-0 006	0 1538	9 23000	0 006	15 58	3 48E-02	16 10	
0 233	-0 006	0 1539	9 23330	0 006	15 58	3 48E-02	16 10	
0 237	-0 006	0 1539	9 23660	0 006	15 58	3 48E-02	16 10	
0 240	-0 006	0 1540	9 24000	0 006	15 58	3 48E-02	16 10	
0 243	-0 006	0 1541	9 24330	0 006	15 58	3 48E-02	16 10	
0 247	-0 006	0 1541	9 24660	0 006	15 58	3 48E-02	16 10	
0 250	-0 006	0 1542	9 25000	0 006	15 58	3 48E-02	16 10	
0 253	-0 006	0 1542	9 25330	0 006	15 58	3 48E-02	16 10	
0 257	-0 006	0 1543	9 25660	0 006	15 58	3 48E-02	16 10	
0 260	-0 006	0 1543	9 26000	0 006	15 58	3 48E-02	16 10	
0 263	-0 006	0 1544	9 26330	0 006	15 58	3 48E-02	16 10	
0 267	-0 006	0 1544	9 26660	0 006	15 58	3 48E-02	16 10	
0 270	-0 006	0 1545	9 27000	0 006	15 58	3 48E-02	16 10	
0 273	-0 006	0 1546	9 27330	0 006	15 58	3 48E-02	16 10	
0 277	-0 006	0 1546	9 27660	0 006	15 58	3 48E-02	16 10	
0 280	-0 006	0 1547	9 28000	0 006	15 58	3 48E-02	16 10	
0 283	-0 006	0 1547	9 28330	0 006	15 58	3 48E-02	16 10	
0 287	-0 006	0 1548	9 28660	0 006	15 58	3 48E-02	16 10	
0 290	-0 006	0 1548	9 29000	0 006	15 58	3 48E-02	16 10	
0 293	-0 006	0 1549	9 29330	0 006	15 58	3 48E-02	16 10	
0 297	-0 006	0 1549	9 29660	0 006	15 58	3 48E-02	16 10	
0 300	-0 006	0 1550	9 30000	0 006	15 58	3 48E-02	16 10	
0 303	-0 009	0 1551	9 30330	0 009	15 57	5 23E-02	16 12	
0 307	-0 009	0 1551	9 30660	0 009	15 57	5 23E-02	16 12	
0 310	-0 009	0 1552	9 31000	0 009	15 57	5 23E-02	16 12	
0 313	-0 009	0 1552	9 31330	0 009	15 57	5 23E-02	16 12	
0 317	-0 009	0 1553	9 31660	0 009	15 57	5 23E-02	16 12	
0 320	-0 009	0 1553	9 32000	0 009	15 57	5 23E-02	16 12	
0 323	-0 009	0 1554	9 32330	0 009	15 57	5 23E-02	16 12	
0 327	-0 009	0 1554	9 32660	0 009	15 57	5 23E-02	16 12	
0 330	-0 009	0 1555	9 33000	0 009	15 57	5 23E-02	16 12	
0 333	-0 009	0 1556	9 33330	0 009	15 57	5 23E-02	16 12	
0 350	-0 009	0 1558	9 35000	0 009	15 57	5 23E-02	16 12	
0 367	-0 009	0 1561	9 36660	0 009	15 57	5 23E-02	16 12	
0 383	-0 009	0 1564	9 38330	0 009	15 57	5 23E-02	16 12	
0 400	-0 009	0 1567	9 40000	0 009	15 57	5 23E-02	16 12	
0 417	-0 012	0 1569	9 41660	0 012	15 57	6 97E-02	16 13	
0 433	-0 012	0 1572	9 43330	0 012	15 57	6 97E-02	16 13	
0 450	-0 012	0 1575	9 45000	0 012	15 57	6 97E-02	16 13	
0 467	-0 015	0 1578	9 46660	0 015	15 57	8 71E-02	16 15	
0 483	-0 015	0 1581	9 48330	0 015	15 57	8 71E-02	16 15	
0 500	-0 015	0 1583	9 50000	0 015	15 57	8 71E-02	16 15	
0 517	-0 015	0 1586	9 51660	0 015	15 57	8 71E-02	16 15	
0 533	-0 015	0 1589	9 53330	0 015	15 57	8 71E-02	16 15	
0 550	-0 015	0 1592	9 55000	0 015	15 57	8 71E-02	16 15	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 567	-0 019	0 1594	9 56660	0 019	15 56	1 10E-01	16 17	
0 583	-0 019	0 1597	9 58330	0 019	15 56	1 10E-01	16 17	
0 600	-0 019	0 1600	9 60000	0 019	15 56	1 10E-01	16 17	
0 617	-0 019	0 1603	9 61660	0 019	15 56	1 10E-01	16 17	
0 633	-0 019	0 1606	9 63330	0 019	15 56	1 10E-01	16 17	
0 650	-0 022	0 1608	9 65000	0 022	15 56	1 28E-01	16 19	
0 667	-0 022	0 1611	9 66660	0 022	15 56	1 28E-01	16 19	
0 683	-0 022	0 1614	9 68330	0 022	15 56	1 28E-01	16 19	
0 700	-0 022	0 1617	9 70000	0 022	15 56	1 28E-01	16 19	
0 717	-0 022	0 1619	9 71660	0 022	15 56	1 28E-01	16 19	
0 733	-0 022	0 1622	9 73330	0 022	15 56	1 28E-01	16 19	
0 750	-0 022	0 1625	9 75000	0 022	15 56	1 28E-01	16 19	
0 767	-0 022	0 1628	9 76660	0 022	15 56	1 28E-01	16 19	
0 783	-0 022	0 1631	9 78330	0 022	15 56	1 28E-01	16 19	
0 800	-0 022	0 1633	9 80000	0 022	15 56	1 28E-01	16 19	
0 817	-0 022	0 1636	9 81660	0 022	15 56	1 28E-01	16 19	
0 833	-0 025	0 1639	9 83330	0 025	15 56	1 45E-01	16 21	
0 850	-0 025	0 1642	9 85000	0 025	15 56	1 45E-01	16 21	
0 867	-0 025	0 1644	9 86660	0 025	15 56	1 45E-01	16 21	
0 883	-0 025	0 1647	9 88330	0 025	15 56	1 45E-01	16 21	
0 900	-0 025	0 1650	9 90000	0 025	15 56	1 45E-01	16 21	
0 917	-0 025	0 1653	9 91660	0 025	15 56	1 45E-01	16 21	
0 933	-0 025	0 1656	9 93330	0 025	15 56	1 45E-01	16 21	
0 950	-0 025	0 1658	9 95000	0 025	15 56	1 45E-01	16 21	
0 967	-0 028	0 1661	9 96660	0 028	15 56	1 63E-01	16 23	
0 983	-0 028	0 1664	9 98330	0 028	15 56	1 63E-01	16 23	
1 000	-0 028	0 1667	10 00000	0 028	15 56	1 63E-01	16 23	
1 200	-0 031	0 1700	10 20000	0 031	15 55	1 80E-01	16 24	
1 400	-0 034	0 1733	10 40000	0 034	15 55	1 97E-01	16 26	
1 600	-0 041	0 1767	10 60000	0 041	15 54	2 38E-01	16 30	
1 800	-0 044	0 1800	10 80000	0 044	15 54	2 56E-01	16 32	
2 000	-0 047	0 1833	11 00000	0 047	15 54	2 73E-01	16 34	
2 200	-0 050	0 1867	11 20000	0 050	15 53	2 90E-01	16 35	
2 400	-0 050	0 1900	11 40000	0 050	15 53	2 90E-01	16 35	
2 600	-0 050	0 1933	11 60000	0 050	15 53	2 90E-01	16 35	
2 800	-0 063	0 1967	11 80000	0 063	15 52	3 66E-01	16 43	
3 000	-0 066	0 2000	12 00000	0 066	15 52	3 83E-01	16 45	
3 200	-0 069	0 2033	12,20000	0 069	15 51	4 01E-01	16 46	
3 400	-0 079	0 2067	12,40000	0 079	15 50	4 59E-01	16 52	
3 600	-0 082	0 2100	12,60000	0 082	15 50	4 76E-01	16 54	
3 800	-0 085	0 2133	12,80000	0 085	15 50	4 94E-01	16 56	
4 000	-0 088	0 2167	13 00000	0 088	15 50	5 11E-01	16 58	
4 200	-0 092	0 2200	13 20000	0 092	15 49	5 34E-01	16 60	
4 400	-0 095	0 2233	13 40000	0 095	15 49	5 52E-01	16 62	
4 600	-0 098	0 2267	13 60000	0 098	15 49	5 69E-01	16 63	
4 800	-0 101	0 2300	13 80000	0 101	15 48	5 87E-01	16 65	
5 000	-0 104	0 2333	14 00000	0 104	15 48	6 04E-01	16 67	
5 200	-0 107	0 2367	14 20000	0 107	15 48	6 21E-01	16 69	
5 400	-0 111	0 2400	14 40000	0 111	15 47	6 45E-01	16 71	
5 600	-0 114	0 2433	14 60000	0 114	15 47	6 62E-01	16 73	
5 800	-0 117	0 2467	14 80000	0 117	15 47	6 80E-01	16 74	
6 000	-0 120	0 2500	15 00000	0 120	15 46	6 97E-01	16 76	
6 200	-0 123	0 2533	15 20000	0 123	15 46	7 14E-01	16 78	
6 400	-0 126	0 2567	15 40000	0 126	15 46	7 32E-01	16 80	
6 600	-0 130	0 2600	15 60000	0 130	15 45	7 55E-01	16 82	
6 800	-0 133	0 2633	15 80000	0 133	15 45	7 72E-01	16 84	
7 000	-0 136	0 2667	16 00000	0 136	15 45	7 90E-01	16 85	
7 200	-0 139	0 2700	16 20000	0 139	15 44	8 07E-01	16 87	
7 400	-0 142	0 2733	16 40000	0 142	15 44	8 25E-01	16 89	
7 600	-0 145	0 2767	16 60000	0 145	15 44	8 42E-01	16 91	
7 800	-0 149	0 2800	16 80000	0 149	15 43	8 65E-01	16 93	
8 000	-0 152	0 2833	17 00000	0 152	15 43	8 83E-01	16 95	
8 200	-0 155	0 2867	17 20000	0 155	15 43	9 00E-01	16 96	
8 400	-0 158	0 2900	17 40000	0 158	15 43	9 18E-01	16 98	
8 600	-0 161	0 2933	17 60000	0 161	15 42	9 35E-01	17 00	
8 800	-0 161	0 2967	17 80000	0 161	15 42	9 35E-01	17 00	
9 000	-0 164	0 3000	18 00000	0 164	15 42	9 52E-01	17 02	
9 200	-0 168	0 3033	18 20000	0 168	15 42	9 76E-01	17 04	
9 400	-0 171	0 3067	18 40000	0 171	15 41	9 93E-01	17 06	
9 600	-0 174	0 3100	18 60000	0 174	15 41	1 01E+00	17 07	
9 800	-0 177	0 3133	18 80000	0 177	15 41	1 03E+00	17 09	
10 000	-0 180	0 3167	19 00000	0 180	15 40	1 05E+00	17 11	
12 000	-0 206	0 3500	21 00000	0 206	15 38	1 20E+00	17 26	
14 000	-0 234	0 3833	23 00000	0 234	15 35	1 36E+00	17 42	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)		final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
16 000	-0 257	0 4167		25 00000	0 257	15 33	1 49E+00	17 56
18 000	-0 282	0 4500		27 00000	0 282	15 30	1 64E+00	17 70
20 000	-0 304	0 4833		29 00000	0 304	15 28	1 77E+00	17 83
22 000	-0 326	0 5167		31 00000	0 326	15 26	1 89E+00	17 96
24 000	-0 349	0 5500		33 00000	0 349	15 23	2 03E+00	18 09
26 000	-0 368	0 5833		35 00000	0 368	15 22	2 14E+00	18 20
28 000	-0 390	0 6167		37 00000	0 390	15 19	2 27E+00	18 33
30 000	-0 409	0 6500		39 00000	0 409	15 17	2 38E+00	18 44
32 000	-0 428	0 6833		41 00000	0 428	15 16	2 49E+00	18 55
34 000	-0 444	0 7167		43 00000	0 444	15 14	2 58E+00	18 64
36 000	-0 463	0 7500		45 00000	0 463	15 12	2 69E+00	18 75
38 000	-0 479	0 7833		47 00000	0 479	15 10	2 78E+00	18 85
40 000	-0 494	0 8167		49 00000	0 494	15 09	2 87E+00	18 93
42 000	-0 513	0 8500		51 00000	0 513	15 07	2 98E+00	19 04
44 000	-0 529	0 8833		53 00000	0 529	15 05	3 07E+00	19 14
46 000	-0 545	0 9167		55 00000	0 545	15 04	3 17E+00	19 23
48 000	-0 561	0 9500		57 00000	0 561	15 02	3 26E+00	19 32
50 000	-0 577	0 9833		59 00000	0 577	15 01	3 35E+00	19 42
52 000	-0 593	1 0167		61 00000	0 593	14 99	3 44E+00	19 51
54 000	-0 609	1 0500		63 00000	0 609	14 97	3 54E+00	19 60
56 000	-0 625	1 0833		65 00000	0 625	14 96	3 63E+00	19 69
58 000	-0 637	1 1167		67 00000	0 637	14 95	3 70E+00	19 76
60 000	-0 653	1 1500		69 00000	0 653	14 93	3 79E+00	19 86
62 000	-0 666	1 1833		71 00000	0 666	14 92	3 87E+00	19 93
64 000	-0 682	1 2167		73 00000	0 682	14 90	3 96E+00	20 03
66 000	-0 698	1 2500		75 00000	0 698	14 89	4 05E+00	20 12
68 000	-0 710	1 2833		77 00000	0 710	14 87	4 12E+00	20 19
70 000	-0 726	1 3167		79 00000	0 726	14 86	4 22E+00	20 28
72 000	-0 739	1 3500		81 00000	0 739	14 84	4 29E+00	20 36
74 000	-0 755	1 3833		83 00000	0 755	14 83	4 38E+00	20 45
76 000	-0 767	1 4167		85 00000	0 767	14 82	4 45E+00	20 52
78 000	-0 783	1 4500		87 00000	0 783	14 80	4 55E+00	20 61
80 000	-0 796	1 4833		89 00000	0 796	14 79	4 62E+00	20 69
82 000	-0 809	1 5167		91 00000	0 809	14 77	4 70E+00	20 76
84 000	-0 821	1 5500		93 00000	0 821	14 76	4 77E+00	20 83
86 000	-0 834	1 5833		95 00000	0 834	14 75	4 84E+00	20 91
88 000	-0 847	1 6167		97 00000	0 847	14 74	4 92E+00	20 98
90 000	-0 859	1 6500		99 00000	0 859	14 72	4 99E+00	21 05
92 000	-0 872	1 6833		101 00000	0 872	14 71	5 06E+00	21 13
94 000	-0 882	1 7167		103 00000	0 882	14 70	5 12E+00	21 19
96 000	-0 894	1 7500		105 00000	0 894	14 69	5 19E+00	21 26
98 000	-0 904	1 7833		107 00000	0 904	14 68	5 25E+00	21 31
100 000	-0 916	1 8167		109 00000	0 916	14 67	5 32E+00	21 38
120 000	-1 024	2 1500		129 00000	1 024	14 56	5 95E+00	22 01
140 000	-1 126	2 4833		149 00000	1 126	14 46	6 54E+00	22 60
160 000	-1 224	2 8167		169 00000	1 224	14 36	7 11E+00	23 17
180 000	-1 304	3 1500		189 00000	1 304	14 28	7 57E+00	23 64
200 000	-1 364	3 4833		209 00000	1 364	14 22	7 92E+00	23 99
220 000	-1 411	3 8167		229 00000	1 411	14 17	8 19E+00	24 26
240 000	-1 453	4 1500		249 00000	1 453	14 13	8 44E+00	24 50
260 000	-1 484	4 4833		269 00000	1 484	14 10	8 62E+00	24 68
280 000	-1 516	4 8167		289 00000	1 516	14 07	8 80E+00	24 87
300 000	-1 541	5 1500		309 00000	1 541	14 04	8 95E+00	25 01
320 000	-1 567	5 4833		329 00000	1 567	14 02	9 10E+00	25 17
340 000	-1 586	5 8167		349 00000	1 586	14 00	9 21E+00	25 28
360 000	-1 602	6 1500		369 00000	1 602	13 98	9 30E+00	25 37
380 000	-1 618	6 4833		389 00000	1 618	13 97	9 40E+00	25 46
400 000	-1 627	6 8167		409 00000	1 627	13 96	9 45E+00	25 51
420 000	-1 637	7 1500		429 00000	1 637	13 95	9 51E+00	25 57
440 000	-1 649	7 4833		449 00000	1 649	13 93	9 58E+00	25 64
460 000	-1 656	7 8167		469 00000	1 656	13 93	9 62E+00	25 68
480 000	-1 659	8 1500		489 00000	1 659	13 92	9 64E+00	25 70
500 000	-1 662	8 4833		509 00000	1 662	13 92	9 65E+00	25 72
520 000	-1 665	8 8167		529 00000	1 665	13 92	9 67E+00	25 73
540 000	-1 668	9 1500		549 00000	1 668	13 92	9 69E+00	25 75
560 000	-1 668	9 4833		569 00000	1 668	13 92	9 69E+00	25 75
580 000	-1 665	9 8167		589 00000	1 665	13 92	9 67E+00	25 73
600 000	-1 665	10 1500		609 00000	1 665	13 92	9 67E+00	25 73
620 000	-1 662	10 4833		629 00000	1 662	13 92	9 65E+00	25 72
640 000	-1 659	10 8167		649 00000	1 659	13 92	9 64E+00	25 70
660 000	-1 656	11 1500		669 00000	1 656	13 93	9 62E+00	25 68
680 000	-1 653	11 4833		689 00000	1 653	13 93	9 60E+00	25 66
700 000	-1 646	11 8167		709 00000	1 646	13 94	9 56E+00	25 62
720 000	-1 643	12 1500		729 00000	1 643	13 94	9 54E+00	25 61

Input data

Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	Inflow	water in well
							(liters)	(liters)
740 000	-1 637	12.4833		749 00000	1 637	13 95	9 51E+00	25 57
760 000	-1 633	12.8167		769 00000	1 633	13 95	9 48E+00	25 55
780 000	-1 627	13 1500		789 00000	1 627	13 96	9 45E+00	25 51
800 000	-1 624	13 4833		809 00000	1 624	13 96	9 43E+00	25 50
820 000	-1 614	13 8167		829 00000	1 614	13 97	9 37E+00	25 44
840 000	-1 611	14 1500		849 00000	1 611	13 97	9 36E+00	25 42
860 000	-1 605	14 4833		869 00000	1 605	13 98	9 32E+00	25 39
880 000	-1 599	14 8167		889 00000	1 599	13 98	9 29E+00	25 35
900 000	-1 592	15 1500		909 00000	1 592	13 99	9 25E+00	25 31
920 000	-1 589	15 4833		929 00000	1 589	13 99	9 23E+00	25 29
940 000	-1 583	15 8167		949 00000	1 583	14 00	9 19E+00	25 26
960 000	-1 576	16.1500		969 00000	1 576	14 01	9 15E+00	25 22
980 000	-1 573	16 4833		989 00000	1 573	14 01	9 14E+00	25 20
1000 000	-1 570	16 8167		1009 00000	1 570	14 01	9 12E+00	25 18
1200 000	-1 519	20 1500		1209 00000	1 519	14 06	8 82E+00	24 89
1400 000	-1 465	23 4833		1409 00000	1 465	14 12	8 51E+00	24 57
1600 000	-1 430	26 8167		1609 00000	1 430	14 15	8 31E+00	24 37
1800 000	-1 399	30 1500		1809 00000	1 399	14 18	8 13E+00	24 19
2000 000	-1 338	33 4833		2009 00000	1 338	14 25	7 77E+00	23 84
2200 000	-1 281	36 8167		2209 00000	1 281	14 30	7 44E+00	23 50
2400 000	-1 231	40 1500		2409 00000	1 231	14 35	7 15E+00	23 21
2600 000	-1 170	43 4833		2609 00000	1 170	14 41	6 80E+00	22 86
2800 000	-1 123	46.8167		2809 00000	1 123	14 46	6 52E+00	22 59

Well No. 13091

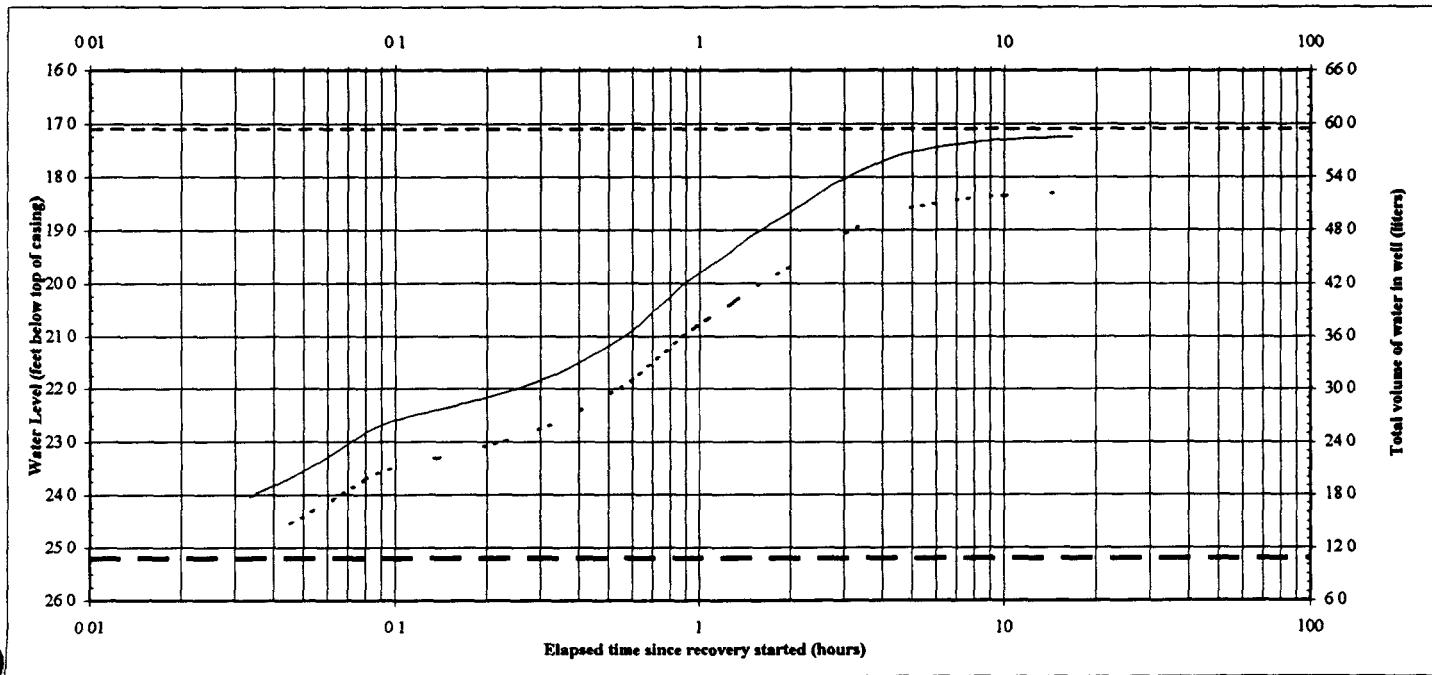
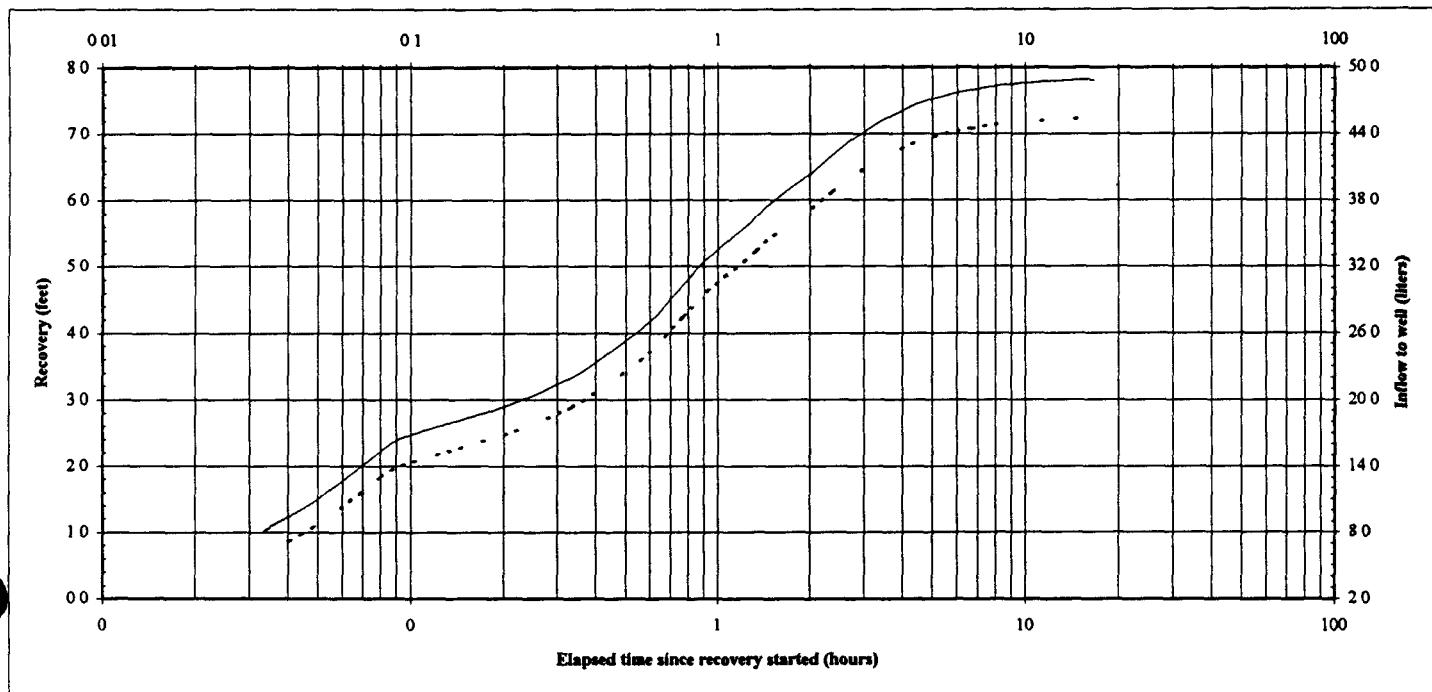
Measured recovery after sampling

Date: 24-May-94

2nd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well

— Water Level
 Volume



Well No.

13091

Date Sampled

2 nd quarter
24-May-94

	14.23		Delay	2 00	Minutes
Final bail time	14.23				
Set transducer time	14.25				
Static water level (pre-sampling)	17.1	feet below top of casing			
Final water level (post-recovery)	17.3	feet below top of casing			
Last recorded water level	.7.3	feet below transducer			
Transducer Reference Depth	25.1	feet below top of casing			
Bottom of well	23.2	feet below top of casing			
First recorded water level	.1.0	feet below transducer			
First recorded water level	24.0	feet below top of casing			
Water column remaining in casing after purging	1.2	feet			
Volume remaining in casing after purging	6.8	liters			
Well diameter	10.0	inches	0.833	feet	
Well radius	5.0	inches	0.417	feet	
Casing diameter	3.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	3.1	inches	0.255	feet	
Top of sandpack	8.9	feet below top of casing			
				0.62	liters/foot
				5.81	liters/foot

Input data					
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)
0.000	-1.026	0.0333	2.00000	1.026	24.03
0.003	-1.026	0.0334	2.00330	1.026	24.03
0.007	-1.026	0.0334	2.00660	1.026	24.03
0.010	-1.029	0.0335	2.01000	1.029	24.03
0.013	-1.029	0.0336	2.01330	1.029	24.03
0.017	-1.032	0.0336	2.01660	1.032	24.03
0.020	-1.032	0.0337	2.02000	1.032	24.03
0.023	-1.036	0.0337	2.02330	1.036	24.02
0.027	-1.036	0.0338	2.02660	1.036	24.02
0.030	-1.039	0.0338	2.03000	1.039	24.02
0.033	-1.039	0.0339	2.03330	1.039	24.02
0.037	-1.042	0.0339	2.03660	1.042	24.02
0.040	-1.042	0.0340	2.04000	1.042	24.02
0.043	-1.045	0.0341	2.04330	1.045	24.01
0.047	-1.045	0.0341	2.04660	1.045	24.01
0.050	-1.048	0.0342	2.05000	1.048	24.01
0.053	-1.048	0.0342	2.05330	1.048	24.01
0.057	-1.051	0.0343	2.05660	1.051	24.01
0.060	-1.051	0.0343	2.06000	1.051	24.01
0.063	-1.055	0.0344	2.06330	1.055	24.00
0.067	-1.055	0.0344	2.06660	1.055	24.00
0.070	-1.058	0.0345	2.07000	1.058	24.00
0.073	-1.058	0.0346	2.07330	1.058	24.00
0.077	-1.061	0.0346	2.07660	1.061	24.00
0.080	-1.061	0.0347	2.08000	1.061	24.00
0.083	-1.061	0.0347	2.08330	1.061	24.00
0.087	-1.064	0.0348	2.08660	1.064	23.99
0.090	-1.067	0.0348	2.09000	1.067	23.99
0.093	-1.067	0.0349	2.09330	1.067	23.99
0.097	-1.067	0.0349	2.09660	1.067	23.99
0.100	-1.077	0.0350	2.10000	1.077	23.98
0.103	-1.102	0.0351	2.10330	1.102	23.96
0.107	-1.102	0.0351	2.10660	1.102	23.96
0.110	-1.102	0.0352	2.11000	1.102	23.96
0.113	-1.105	0.0352	2.11330	1.105	23.95
0.117	-1.099	0.0353	2.11660	1.099	23.96
0.120	-1.102	0.0353	2.12000	1.102	23.96
0.123	-1.102	0.0354	2.12330	1.102	23.96

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-1 102	0 0354	2 12660	1 102	23 96	6 40E+00	13 18	
0 130	-1 105	0 0355	2 13000	1 105	23 95	6 42E+00	13 20	
0 133	-1 105	0 0356	2 13330	1 105	23 95	6 42E+00	13 20	
0 137	-1 108	0 0356	2 13660	1 108	23 95	6 43E+00	13 22	
0 140	-1 108	0 0357	2 14000	1 108	23 95	6 43E+00	13 22	
0 143	-1 111	0 0357	2 14330	1 111	23 95	6 45E+00	13 24	
0 147	-1 111	0 0358	2 14660	1 111	23 95	6 45E+00	13 24	
0 150	-1 115	0 0358	2 15000	1 115	23 94	6 48E+00	13 26	
0 153	-1 115	0 0359	2 15330	1 115	23 94	6 48E+00	13 26	
0 157	-1 118	0 0359	2 15660	1 118	23 94	6 49E+00	13 28	
0 160	-1 118	0 0360	2 16000	1 118	23 94	6 49E+00	13 28	
0 163	-1 121	0 0361	2 16330	1 121	23 94	6 51E+00	13 29	
0 167	-1 121	0 0361	2 16660	1 121	23 94	6 51E+00	13 29	
0 170	-1 124	0 0362	2 17000	1 124	23 93	6 53E+00	13 31	
0 173	-1 124	0 0362	2 17330	1 124	23 93	6 53E+00	13 31	
0 177	-1 127	0 0363	2 17660	1 127	23 93	6 55E+00	13 33	
0 180	-1 127	0 0363	2 18000	1 127	23 93	6 55E+00	13 33	
0 183	-1 130	0 0364	2 18330	1 130	23 93	6 56E+00	13 35	
0 187	-1 130	0 0364	2 18660	1 130	23 93	6 56E+00	13 35	
0 190	-1 134	0 0365	2 19000	1 134	23 92	6 59E+00	13 37	
0 193	-1 134	0 0366	2 19330	1 134	23 92	6 59E+00	13 37	
0 197	-1 137	0 0366	2 19660	1 137	23 92	6 60E+00	13 39	
0 200	-1 137	0 0367	2 20000	1 137	23 92	6 60E+00	13 39	
0 203	-1 137	0 0367	2 20330	1 137	23 92	6 60E+00	13 39	
0 207	-1 140	0 0368	2 20660	1 140	23 92	6 62E+00	13 40	
0 210	-1 143	0 0368	2 21000	1 143	23 92	6 64E+00	13 42	
0 213	-1 143	0 0369	2 21330	1 143	23 92	6 64E+00	13 42	
0 217	-1 143	0 0369	2 21660	1 143	23 92	6 64E+00	13 42	
0 220	-1 146	0 0370	2 22000	1 146	23 91	6 66E+00	13 44	
0 223	-1 146	0 0371	2 22330	1 146	23 91	6 66E+00	13 44	
0 227	-1 149	0 0371	2 22660	1 149	23 91	6 67E+00	13 46	
0 230	-1 149	0 0372	2 23000	1 149	23 91	6 67E+00	13 46	
0 233	-1 153	0 0372	2 23330	1 153	23 91	6 70E+00	13 48	
0 237	-1 153	0 0373	2 23660	1 153	23 91	6 70E+00	13 48	
0 240	-1 156	0 0373	2 24000	1 156	23 90	6 71E+00	13 50	
0 243	-1 156	0 0374	2 24330	1 156	23 90	6 71E+00	13 50	
0 247	-1 159	0 0374	2 24660	1 159	23 90	6 73E+00	13 51	
0 250	-1 159	0 0375	2 25000	1 159	23 90	6 73E+00	13 51	
0 253	-1 162	0 0376	2 25330	1 162	23 90	6 75E+00	13 53	
0 257	-1 162	0 0376	2 25660	1 162	23 90	6 75E+00	13 53	
0 260	-1 165	0 0377	2 26000	1 165	23 89	6 77E+00	13 55	
0 263	-1 165	0 0377	2 26330	1 165	23 89	6 77E+00	13 55	
0 267	-1 168	0 0378	2 26660	1 168	23 89	6 78E+00	13 57	
0 270	-1 168	0 0378	2 27000	1 168	23 89	6 78E+00	13 57	
0 273	-1 171	0 0379	2 27330	1 171	23 89	6 80E+00	13 58	
0 277	-1 171	0 0379	2 27660	1 171	23 89	6 80E+00	13 58	
0 280	-1 175	0 0380	2 28000	1 175	23 88	6 82E+00	13 61	
0 283	-1 175	0 0381	2 28330	1 175	23 88	6 82E+00	13 61	
0 287	-1 178	0 0381	2 28660	1 178	23 88	6 84E+00	13 62	
0 290	-1 178	0 0382	2 29000	1 178	23 88	6 84E+00	13 62	
0 293	-1 181	0 0382	2 29330	1 181	23 88	6 86E+00	13 64	
0 297	-1 181	0 0383	2 29660	1 181	23 88	6 86E+00	13 64	
0 300	-1 184	0 0383	2 30000	1 184	23 87	6 88E+00	13 66	
0 303	-1 184	0 0384	2 30330	1 184	23 87	6 88E+00	13 66	
0 307	-1 187	0 0384	2 30660	1 187	23 87	6 89E+00	13 68	
0 310	-1 187	0 0385	2 31000	1 187	23 87	6 89E+00	13 68	
0 313	-1 187	0 0386	2 31330	1 187	23 87	6 89E+00	13 68	
0 317	-1 190	0 0386	2 31660	1 190	23 87	6 91E+00	13 69	
0 320	-1 194	0 0387	2 32000	1 194	23 86	6 93E+00	13 72	
0 323	-1 194	0 0387	2 32330	1 194	23 86	6 93E+00	13 72	
0 327	-1 194	0 0388	2 32660	1 194	23 86	6 93E+00	13 72	
0 330	-1 197	0 0388	2 33000	1 197	23 86	6 95E+00	13 74	
0 333	-1 197	0 0389	2 33330	1 197	23 86	6 95E+00	13 74	
0 350	-1 206	0 0392	2 35000	1 206	23 85	7 00E+00	13 79	
0 367	-1 216	0 0394	2 36660	1 216	23 84	7 06E+00	13 85	
0 383	-1 219	0 0397	2 38330	1 219	23 84	7 08E+00	13 86	
0 400	-1 228	0 0400	2 40000	1 228	23 83	7 13E+00	13 92	
0 417	-1 238	0 0403	2 41660	1 238	23 82	7 19E+00	13 97	
0 433	-1 244	0 0406	2 43330	1 244	23 81	7 22E+00	14 01	
0 450	-1 254	0 0408	2 45000	1 254	23 80	7 28E+00	14 07	
0 467	-1 260	0 0411	2 46660	1 260	23 80	7 32E+00	14 10	
0 483	-1 269	0 0414	2 48330	1 269	23 79	7 37E+00	14 15	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 500	-1 276	0 0417		2.50000	1 276	23 78	7 41E+00	14 19
0 517	-1 285	0 0419		2 51660	1 285	23 77	7 46E+00	14 25
0 533	-1 292	0 0422		2.53330	1 292	23 77	7 50E+00	14 29
0 550	-1 301	0 0425		2.55000	1 301	23 76	7 56E+00	14 34
0 567	-1 307	0 0428		2.56660	1 307	23 75	7 59E+00	14 37
0 583	-1 317	0 0431		2.58330	1 317	23 74	7 65E+00	14 43
0 600	-1 323	0 0433		2.60000	1 323	23 74	7 68E+00	14 47
0 617	-1 329	0 0436		2 61660	1 329	23 73	7 72E+00	14 50
0 633	-1 339	0 0439		2 63330	1 339	23 72	7 78E+00	14 56
0 650	-1 345	0 0442		2 65000	1 345	23 71	7 81E+00	14 59
0 667	-1 355	0 0444		2 66660	1 355	23 70	7 87E+00	14 65
0 683	-1 361	0 0447		2 68330	1 361	23 70	7 90E+00	14 69
0 700	-1 367	0 0450		2.70000	1 367	23 69	7 94E+00	14 72
0 717	-1 377	0 0453		2 71660	1 377	23 68	8 00E+00	14 78
0 733	-1 383	0 0456		2 73330	1 383	23 68	8 03E+00	14 82
0 750	-1 393	0 0458		2 75000	1 393	23 67	8 09E+00	14 87
0 767	-1 399	0 0461		2 76660	1 399	23 66	8 13E+00	14 91
0 783	-1 405	0 0464		2.78330	1 405	23 65	8 16E+00	14 94
0 800	-1 415	0 0467		2.80000	1 415	23 64	8 22E+00	15 00
0 817	-1 421	0 0469		2 81660	1 421	23 64	8 25E+00	15 04
0 833	-1 427	0 0472		2 83330	1 427	23 63	8 29E+00	15 07
0 850	-1 437	0 0475		2 85000	1 437	23 62	8 35E+00	15 13
0 867	-1 443	0 0478		2 86660	1 443	23 62	8 38E+00	15 16
0 883	-1 449	0 0481		2 88330	1 449	23 61	8 42E+00	15 20
0 900	-1 459	0 0483		2 90000	1 459	23 60	8 47E+00	15 26
0 917	-1 465	0 0486		2.91660	1 465	23 59	8 51E+00	15 29
0 933	-1 472	0 0489		2.93330	1 472	23 59	8 55E+00	15 33
0 950	-1 481	0 0492		2.95000	1 481	23 58	8 60E+00	15 38
0 967	-1 487	0 0494		2.96660	1 487	23 57	8 64E+00	15 42
0 983	-1 494	0 0497		2.98330	1 494	23 56	8 68E+00	15 46
1 000	-1 503	0 0500		3 00000	1 503	23 56	8 73E+00	15 51
1 200	-1 601	0 0533		3 20000	1 601	23 46	9 30E+00	16 08
1 400	-1 686	0 0567		3 40000	1 686	23 37	9 79E+00	16 58
1 600	-1 772	0 0600		3 60000	1 772	23 29	1 03E+01	17 07
1 800	-1 857	0 0633		3 80000	1 857	23 20	1 08E+01	17 57
2 000	-1 936	0 0667		4 00000	1 936	23 12	1 12E+01	18 03
2 200	-2 012	0 0700		4 20000	2 012	23 05	1 17E+01	18 47
2 400	-2 088	0 0733		4 40000	2 088	22 97	1 21E+01	18 91
2 600	-2 160	0 0767		4 60000	2 160	22 90	1 25E+01	19 33
2 800	-2 233	0 0800		4 80000	2 233	22 83	1 30E+01	19 75
3 000	-2 290	0 0833		5 00000	2 290	22 77	1 33E+01	20 08
3 200	-2 340	0 0867		5 20000	2 340	22 72	1 36E+01	20 37
3 400	-2 381	0 0900		5 40000	2 381	22 68	1 38E+01	20 61
3 600	-2 416	0 0933		5 60000	2 416	22 64	1 40E+01	20 82
3 800	-2 445	0 0967		5 80000	2 445	22 61	1 42E+01	20 98
4 000	-2 470	0 1000		6 00000	2 470	22 59	1 43E+01	21 13
4 200	-2 495	0 1033		6 20000	2 495	22 56	1 45E+01	21 27
4 400	-2 514	0 1067		6 40000	2 514	22 54	1 46E+01	21 38
4 600	-2 536	0 1100		6 60000	2 536	22 52	1 47E+01	21 51
4 800	-2 552	0 1133		6 80000	2 552	22 51	1 48E+01	21 60
5 000	-2 571	0 1167		7 00000	2 571	22 49	1 49E+01	21 72
5 200	-2 587	0 1200		7 20000	2 587	22 47	1 50E+01	21 81
5 400	-2 603	0 1233		7 40000	2 603	22 46	1 51E+01	21 90
5 600	-2 615	0 1267		7 60000	2 615	22 44	1 52E+01	21 97
5 800	-2 631	0 1300		7 80000	2 631	22 43	1 53E+01	22 06
6 000	-2 647	0 1333		8 00000	2 647	22 41	1 54E+01	22 16
6 200	-2 666	0 1367		8 20000	2 666	22 39	1 55E+01	22 27
6 400	-2 678	0 1400		8 40000	2 678	22 38	1 56E+01	22 34
6 600	-2 691	0 1433		8 60000	2 691	22 37	1 56E+01	22 41
6 800	-2 707	0 1467		8 80000	2 707	22 35	1 57E+01	22 51
7 000	-2 719	0 1500		9 00000	2 719	22 34	1 58E+01	22 57
7 200	-2 732	0 1533		9 20000	2 732	22 33	1 59E+01	22 65
7 400	-2 745	0 1567		9 40000	2 745	22 31	1 59E+01	22 73
7 600	-2 757	0 1600		9 60000	2 757	22 30	1 60E+01	22 80
7 800	-2 770	0 1633		9 80000	2 770	22 29	1 61E+01	22 87
8 000	-2 783	0 1667		10 00000	2 783	22 28	1 62E+01	22 95
8 200	-2 792	0 1700		10 20000	2 792	22 27	1 62E+01	23 00
8 400	-2 805	0 1733		10 40000	2 805	22 25	1 63E+01	23 07
8 600	-2 814	0 1767		10 60000	2 814	22 24	1 63E+01	23 13
8 800	-2 827	0 1800		10 80000	2 827	22 23	1 64E+01	23 20
9 000	-2 839	0 1833		11 00000	2 839	22 22	1 65E+01	23 27
9 200	-2 849	0 1867		11 20000	2 849	22 21	1 65E+01	23 33

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
9 400	-2.862	0 1900	11 40000	2 862	22 20	1 66E+01	23 41	
9 600	-2.874	0 1933	11 60000	2 874	22 18	1 67E+01	23 47	
9 800	-2.884	0 1967	11 80000	2 884	22 17	1 67E+01	23 53	
10 000	-2.896	0 2000	12.00000	2 896	22 16	1 68E+01	23 60	
12 000	-3 004	0 2333	14 00000	3 004	22 05	1 74E+01	24 23	
14 000	-3 117	0 2667	16 00000	3 117	21 94	1 81E+01	24 89	
16 000	-3 228	0 3000	18 00000	3 228	21 83	1 87E+01	25 53	
18 000	-3 332	0 3333	20 00000	3 332	21 73	1 94E+01	26 13	
20 000	-3 440	0 3667	22 00000	3 440	21 62	2 00E+01	26 76	
22 000	-3 557	0 4000	24 00000	3 557	21 50	2 07E+01	27 44	
24 000	-3 670	0 4333	26 00000	3 670	21 39	2 13E+01	28 10	
26 000	-3 781	0 4667	28 00000	3 781	21 28	2 20E+01	28 74	
28 000	-3 879	0 5000	30 00000	3 879	21 18	2 25E+01	29 31	
30 000	-3 977	0 5333	32 00000	3 977	21 08	2.31E+01	29 88	
32 000	-4 071	0 5667	34 00000	4 071	20 99	2.36E+01	30 43	
34 000	-4 169	0 6000	36 00000	4 169	20 89	2.42E+01	31 00	
36 000	-4 274	0 6333	38 00000	4 274	20 78	2.48E+01	31 61	
38 000	-4 397	0 6667	40 00000	4 397	20 66	2.55E+01	32 32	
40 000	-4 517	0 7000	42 00000	4 517	20 54	2.62E+01	33 02	
42 000	-4 618	0 7333	44 00000	4 618	20 44	2.68E+01	33 60	
44 000	-4 710	0 7667	46 00000	4 710	20 35	2.74E+01	34 14	
46 000	-4 798	0 8000	48 00000	4 798	20 26	2.79E+01	34 65	
48 000	-4 909	0 8333	50 00000	4 909	20 15	2.85E+01	35 29	
50 000	-5 003	0 8667	52 00000	5 003	20 06	2.91E+01	35 84	
52 000	-5 082	0 9000	54 00000	5 082	19 98	2.95E+01	36 30	
54 000	-5 145	0 9333	56 00000	5 145	19 91	2.99E+01	36 66	
56 000	-5 202	0 9667	58 00000	5 202	19 86	3.02E+01	37 00	
58 000	-5 256	1 0000	60 00000	5 256	19 80	3.05E+01	37 31	
60 000	-5 310	1 0333	62 00000	5 310	19 75	3.08E+01	37 62	
62 000	-5 360	1 0667	64 00000	5 360	19 70	3.11E+01	37 91	
64 000	-5 411	1 1000	66 00000	5 411	19 65	3.14E+01	38 21	
66 000	-5 458	1 1333	68 00000	5 458	19 60	3.17E+01	38 48	
68 000	-5 506	1 1667	70 00000	5 506	19 55	3.20E+01	38 76	
70 000	-5 553	1 2000	72 00000	5 553	19 51	3.23E+01	39 03	
72 000	-5 600	1 2333	74 00000	5 600	19 46	3.25E+01	39 31	
74 000	-5 648	1 2667	76 00000	5 648	19 41	3.28E+01	39 59	
76 000	-5 698	1 3000	78 00000	5 698	19 36	3.31E+01	39 88	
78 000	-5 749	1 3333	80 00000	5 749	19 31	3.34E+01	40 17	
80 000	-5 799	1 3667	82 00000	5 799	19 26	3.37E+01	40 46	
82 000	-5 847	1 4000	84 00000	5 847	19 21	3.40E+01	40 74	
84 000	-5 891	1 4333	86 00000	5 891	19 17	3.42E+01	41 00	
86 000	-5 932	1 4667	88 00000	5 932	19 13	3.45E+01	41 24	
88 000	-5 967	1 5000	90 00000	5 967	19 09	3.47E+01	41 44	
90 000	-6 002	1 5333	92 00000	6 002	19 06	3.49E+01	41 64	
92 000	-6 036	1 5667	94 00000	6 036	19 02	3.51E+01	41 84	
94 000	-6 068	1 6000	96 00000	6 068	18 99	3.52E+01	42 02	
96 000	-6 099	1 6333	98 00000	6 099	18 96	3.54E+01	42 20	
98 000	-6 131	1 6667	100 00000	6 131	18 93	3.56E+01	42 39	
100 000	-6 163	1 7000	102 00000	6 163	18 90	3.58E+01	42 58	
120 000	-6 419	2.0333	122 00000	6 419	18 64	3.73E+01	44 06	
140 000	-6 671	2.3667	142 00000	6 671	18 39	3.87E+01	45 53	
160 000	-6 892	2.7000	162 00000	6 892	18 17	4.00E+01	46 81	
180 000	-7 050	3 0333	182 00000	7 050	18 01	4.09E+01	47 73	
200 000	-7 174	3 3667	202 00000	7 174	17 88	4.17E+01	48 45	
220 000	-7 275	3 7000	222 00000	7 275	17 78	4.23E+01	49 03	
240 000	-7 360	4 0333	242 00000	7 360	17 70	4.27E+01	49 53	
260 000	-7 436	4 3667	262 00000	7 436	17 62	4.32E+01	49 97	
280 000	-7 489	4 7000	282 00000	7 489	17 57	4.35E+01	50 28	
300 000	-7 531	5 0333	302 00000	7 531	17 53	4.37E+01	50 52	
320 000	-7 565	5 3667	322 00000	7 565	17 49	4.39E+01	50 72	
340 000	-7 597	5 7000	342 00000	7 597	17 46	4.41E+01	50 90	
360 000	-7 622	6 0333	362 00000	7 622	17 44	4.43E+01	51 05	
380 000	-7 644	6 3667	382 00000	7 644	17 41	4.44E+01	51 18	
400 000	-7 663	6 7000	402 00000	7 663	17 40	4.45E+01	51 29	
420 000	-7 682	7 0333	422 00000	7 682	17 38	4.46E+01	51 40	
440 000	-7 698	7 3667	442 00000	7 698	17 36	4.47E+01	51 49	
460 000	-7 711	7 7000	462 00000	7 711	17 35	4.48E+01	51 57	
480 000	-7 720	8 0333	482 00000	7 720	17 34	4.48E+01	51 62	
500 000	-7 736	8 3667	502 00000	7 736	17 32	4.49E+01	51 71	
520 000	-7 742	8 7000	522 00000	7 742	17 32	4.50E+01	51 75	
540 000	-7 752	9 0333	542 00000	7 752	17 31	4.50E+01	51 81	
560 000	-7 761	9 3667	562 00000	7 761	17 30	4.51E+01	51 86	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	A head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
580 000	-7 764	9 7000	582 00000	7 764	17 29		4 51E+01	51 87
600 000	-7 767	10 0333	602 00000	7 767	17 29		4 51E+01	51 89
620 000	-7 771	10 3667	622 00000	7 771	17 29		4 51E+01	51 92
640 000	-7 777	10 7000	642 00000	7 777	17 28		4 52E+01	51 95
660 000	-7 777	11 0333	662 00000	7 777	17 28		4 52E+01	51 95
680 000	-7 783	11 3667	682 00000	7 783	17 28		4 52E+01	51 99
700 000	-7 786	11 7000	702 00000	7 786	17 27		4 52E+01	52.00
720 000	-7 790	12 0333	722 00000	7 790	17 27		4 52E+01	52.03
740 000	-7 793	12.3667	742 00000	7 793	17 27		4 53E+01	52.04
760 000	-7 796	12.7000	762 00000	7 796	17 26		4 53E+01	52.06
780 000	-7 799	13 0333	782 00000	7 799	17 26		4 53E+01	52.08
800 000	-7 802	13 3667	802 00000	7 802	17 26		4 53E+01	52.10
820 000	-7 805	13 7000	822 00000	7 805	17 25		4 53E+01	52.11
840 000	-7 808	14 0333	842 00000	7 808	17 25		4 53E+01	52.13
860 000	-7 812	14 3667	862 00000	7 812	17 25		4 54E+01	52.15
880 000	-7 815	14 7000	882 00000	7 815	17 24		4 54E+01	52.17
900 000	-7 815	15 0333	902 00000	7 815	17 24		4 54E+01	52.17
920 000	-7 815	15 3667	922 00000	7 815	17 24		4 54E+01	52.17
940 000	-7 815	15 7000	942 00000	7 815	17 24		4 54E+01	52.17
960 000	-7 812	16 0333	962 00000	7 812	17 25		4 54E+01	52.15
980 000	-7 808	16 3667	982 00000	7 808	17 25		4 53E+01	52.13
1000 000	-7 808	16 7000	1002 00000	7 808	17 25		4 53E+01	52.13

Well No. 13391

Measured recovery after sampling

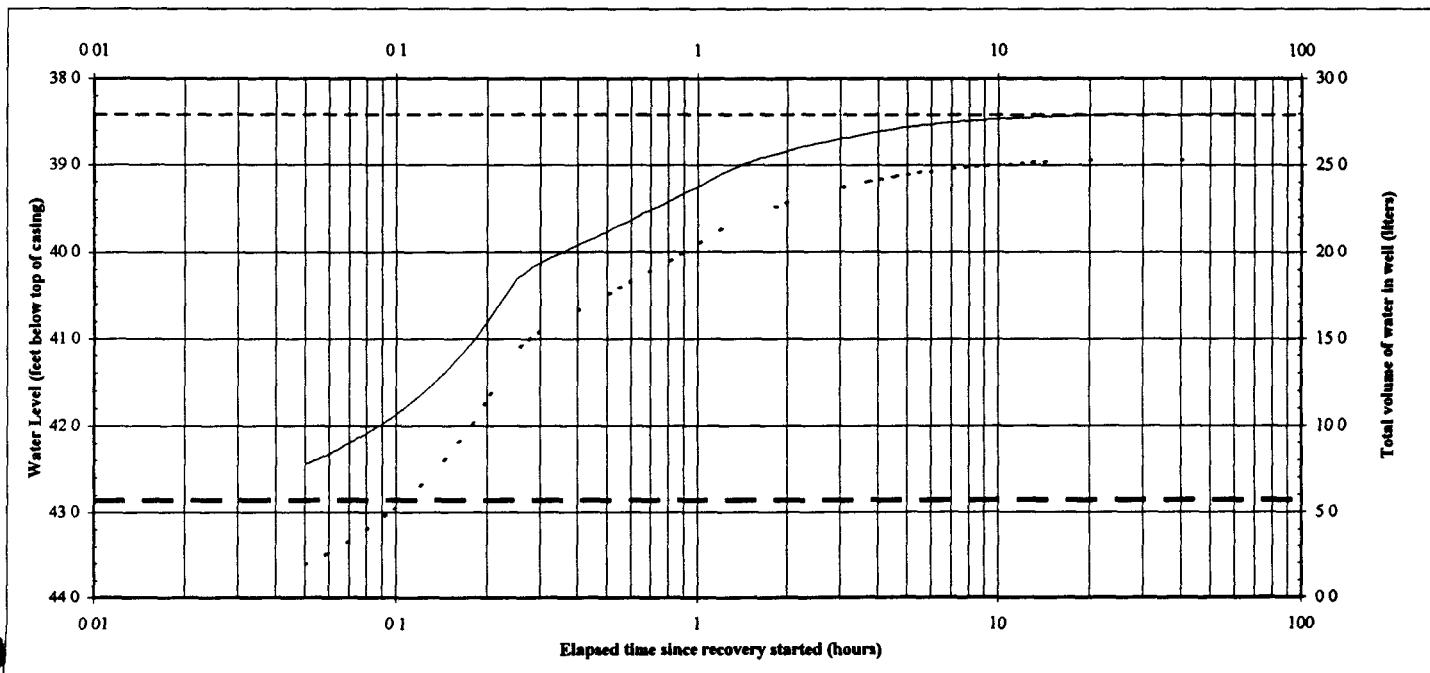
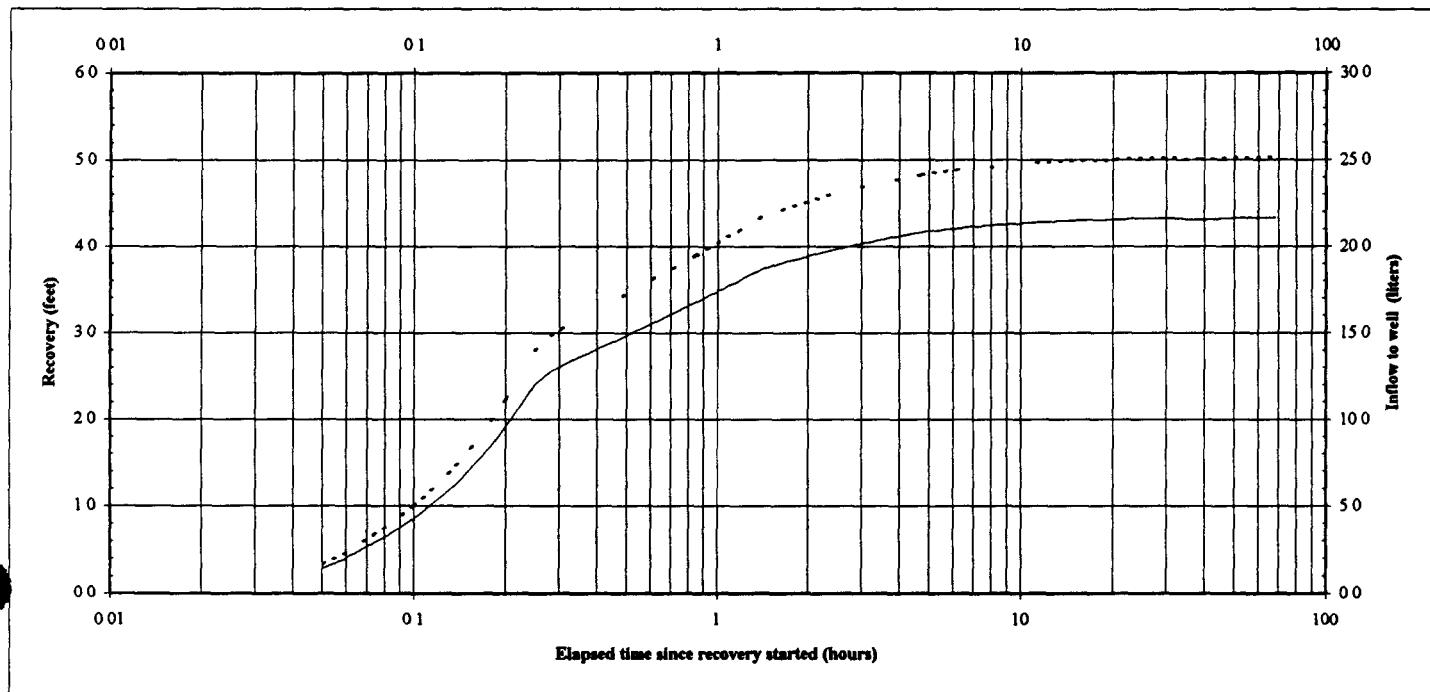
Date: 3-Jun-94

2nd quarter

1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well

— Water Level
 - - - Volume



Well No.

13391

Date Sampled

2nd quarter

3-Jun-94

Final bail time	14:43	Delay	3 00	Minutes
Set transducer time	14:46			
Static Water Level (pre-sampling)	38 #	feet below top of casing		
Final water level (post-sampling)	38 #	feet below top of casing		
Last recorded water level	-4.3	feet below transducer		
Transducer Reference Depth	42.7	feet below top of casing		
Bottom of well	42.9	feet below top of casing		
First recorded water level	-3.3	feet below transducer		
First recorded water level	42.4	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	0.3	liters		
Well Diameter	10.0	inches	0.833	feet
Well Radius	5.0	inches	0.417	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	26.3	feet below top of casing		
			0.62	liter/foot
			5.81	liter/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0.000	-0.290	0.0500	3 00000	0.290	42.44		
0.003	-0.290	0.0501	3 00330	0.290	42.44	1.68E+00	1.94
0.007	-0.290	0.0501	3 00660	0.290	42.44	1.68E+00	1.94
0.010	-0.290	0.0502	3 00990	0.290	42.44	1.68E+00	1.94
0.013	-0.290	0.0502	3 01330	0.290	42.44	1.68E+00	1.94
0.017	-0.290	0.0503	3 01660	0.290	42.44	1.68E+00	1.94
0.020	-0.290	0.0503	3 02000	0.290	42.44	1.68E+00	1.94
0.023	-0.290	0.0504	3 02330	0.290	42.44	1.68E+00	1.94
0.027	-0.290	0.0504	3 02660	0.290	42.44	1.68E+00	1.94
0.030	-0.290	0.0505	3 03000	0.290	42.44	1.68E+00	1.94
0.033	-0.290	0.0506	3 03330	0.290	42.44	1.68E+00	1.94
0.050	-0.300	0.0508	3 05000	0.300	42.43	1.74E+00	2.00
0.067	-0.300	0.0511	3 06660	0.300	42.43	1.74E+00	2.00
0.083	-0.300	0.0514	3 08330	0.300	42.43	1.74E+00	2.00
0.100	-0.310	0.0517	3 10000	0.310	42.42	1.80E+00	2.06
0.117	-0.310	0.0519	3 11660	0.310	42.42	1.80E+00	2.06
0.133	-0.310	0.0522	3 13330	0.310	42.42	1.80E+00	2.06
0.150	-0.320	0.0525	3 15000	0.320	42.41	1.86E+00	2.12
0.167	-0.320	0.0528	3 16660	0.320	42.41	1.86E+00	2.12
0.183	-0.320	0.0531	3 18330	0.320	42.41	1.86E+00	2.12
0.200	-0.330	0.0533	3 20000	0.330	42.40	1.92E+00	2.18
0.217	-0.330	0.0536	3 21660	0.330	42.40	1.92E+00	2.18
0.233	-0.330	0.0539	3 23330	0.330	42.40	1.92E+00	2.18
0.250	-0.330	0.0542	3 25000	0.330	42.40	1.92E+00	2.18
0.267	-0.340	0.0544	3 26660	0.340	42.39	1.97E+00	2.23
0.283	-0.340	0.0547	3 28330	0.340	42.39	1.97E+00	2.23
0.300	-0.340	0.0550	3 30000	0.340	42.39	1.97E+00	2.23
0.317	-0.350	0.0553	3 31660	0.350	42.38	2.03E+00	2.29
0.333	-0.350	0.0556	3 33330	0.350	42.38	2.03E+00	2.29
0.417	-0.370	0.0569	3 41670	0.370	42.36	2.15E+00	2.41
0.500	-0.380	0.0583	3 50000	0.380	42.35	2.21E+00	2.47
0.583	-0.400	0.0597	3 58330	0.400	42.33	2.32E+00	2.58
0.667	-0.420	0.0611	3 66670	0.420	42.31	2.44E+00	2.70
0.750	-0.440	0.0625	3 75000	0.440	42.29	2.56E+00	2.81
0.833	-0.450	0.0639	3 83330	0.450	42.28	2.61E+00	2.87
0.917	-0.470	0.0653	3 91670	0.470	42.26	2.73E+00	2.99
1.000	-0.490	0.0667	4 00000	0.490	42.24	2.85E+00	3.11
1.083	-0.510	0.0681	4 08330	0.510	42.22	2.96E+00	3.22
1.167	-0.520	0.0694	4 16670	0.520	42.21	3.02E+00	3.28

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
1 250	-0 540	0 0708	4 25000	0 540	42 19	3 14E+00	3 40
1 333	-0 550	0 0722	4 33330	0 550	42 18	3 19E+00	3 45
1 417	-0 570	0 0736	4 41660	0 570	42 16	3 31E+00	3 57
1 500	-0 590	0 0750	4 50000	0 590	42 14	3 43E+00	3 69
1 583	-0 600	0 0764	4 58330	0 600	42 13	3 48E+00	3 74
1 667	-0 620	0 0778	4 66670	0 620	42 11	3 60E+00	3 86
1 750	-0 630	0 0792	4 75000	0 630	42 10	3 66E+00	3 92
1 833	-0 650	0 0806	4 83330	0 650	42 08	3 78E+00	4 03
1 917	-0 660	0 0819	4 91670	0 660	42 07	3 83E+00	4 09
2 000	-0 680	0 0833	5 00000	0 680	42 05	3 95E+00	4 21
2 500	-0 770	0 0917	5 50000	0 770	41 96	4 47E+00	4 73
3 000	-0 860	0 1000	6 00000	0 860	41 87	4 99E+00	5 25
3 500	-0 950	0 1083	6 50000	0 950	41 78	5 52E+00	5 78
4 000	-1 040	0 1167	7 00000	1 040	41 69	6 04E+00	6 30
4 500	-1 120	0 1250	7 50000	1 120	41 61	6 50E+00	6 76
5 000	-1 210	0 1333	8 00000	1 210	41 52	7 03E+00	7 29
5 500	-1 300	0 1417	8 50000	1 300	41 43	7 55E+00	7 81
6 000	-1 390	0 1500	9 00000	1 390	41 34	8 07E+00	8 33
6 500	-1 480	0 1583	9 50000	1 480	41 25	8 60E+00	8 85
7 000	-1 560	0 1667	10 00000	1 560	41 17	9 06E+00	9 32
7 500	-1 650	0 1750	10 50000	1 650	41 08	9 58E+00	9 84
8 000	-1 740	0 1833	11 00000	1 740	40 99	1 01E+01	10 36
8 500	-1 830	0 1917	11 50000	1 830	40 90	1 06E+01	10 89
9 000	-1 920	0 2000	12 00000	1 920	40 81	1 12E+01	11 41
9 500	-2 010	0 2083	12 50000	2 010	40 72	1 17E+01	11 93
10 000	-2 090	0 2167	13 00000	2 090	40 64	1 21E+01	12 40
12 000	-2 410	0 2500	15 00000	2 410	40 32	1 40E+01	14 26
14 000	-2 560	0 2833	17 00000	2 560	40 17	1 49E+01	15 13
16 000	-2 650	0 3167	19 00000	2 650	40 08	1 54E+01	15 65
18 000	-2 720	0 3500	21 00000	2 720	40 01	1 58E+01	16 06
20 000	-2 780	0 3833	23 00000	2 780	39 95	1 61E+01	16 41
22 000	-2 840	0 4167	25 00000	2 840	39 89	1 65E+01	16 75
24 000	-2 890	0 4500	27 00000	2 890	39 84	1 68E+01	17 04
26 000	-2 940	0 4833	29 00000	2 940	39 79	1 71E+01	17 33
28 000	-2 990	0 5167	31 00000	2 990	39 74	1 74E+01	17 62
30 000	-3 040	0 5500	33 00000	3 040	39 69	1 77E+01	17 92
32 000	-3 080	0 5833	35 00000	3 080	39 65	1 79E+01	18 15
34 000	-3 120	0 6167	37 00000	3 120	39 61	1 81E+01	18 38
36 000	-3 160	0 6500	39 00000	3 160	39 57	1 84E+01	18 61
38 000	-3 200	0 6833	41 00000	3 200	39 53	1 86E+01	18 84
40 000	-3 230	0 7167	43 00000	3 230	39 50	1 88E+01	19 02
42 000	-3 260	0 7500	45 00000	3 260	39 47	1 89E+01	19 19
44 000	-3 290	0 7833	47 00000	3 290	39 44	1 91E+01	19 37
46 000	-3 320	0 8167	49 00000	3 320	39 41	1 93E+01	19 54
48 000	-3 350	0 8500	51 00000	3 350	39 38	1 95E+01	19 72
50 000	-3 380	0 8833	53 00000	3 380	39 35	1 96E+01	19 89
52 000	-3 410	0 9167	55 00000	3 410	39 32	1 98E+01	20 06
54 000	-3 440	0 9500	57 00000	3 440	39 29	2 00E+01	20 24
56 000	-3 460	0 9833	59 00000	3 460	39 27	2 01E+01	20 35
58 000	-3 490	1 0167	61 00000	3 490	39 24	2 03E+01	20 53
60 000	-3 510	1 0500	63 00000	3 510	39 22	2 04E+01	20 64
62 000	-3 540	1 0833	65 00000	3 540	39 19	2 06E+01	20 82
64 000	-3 560	1 1167	67 00000	3 560	39 17	2 07E+01	20 94
66 000	-3 580	1 1500	69 00000	3 580	39 15	2 08E+01	21 05
68 000	-3 600	1 1833	71 00000	3 600	39 13	2 09E+01	21 17
70 000	-3 630	1 2167	73 00000	3 630	39 10	2.11E+01	21 34
72 000	-3 650	1 2500	75 00000	3 650	39 08	2 12E+01	21 46
74 000	-3 670	1 2833	77 00000	3 670	39 06	2 13E+01	21 57
76 000	-3 690	1 3167	79 00000	3 690	39 04	2 14E+01	21 69
78 000	-3 700	1 3500	81 00000	3 700	39 03	2 15E+01	21 75
80 000	-3 720	1 3833	83 00000	3 720	39 01	2 16E+01	21 86
82 000	-3 740	1 4167	85 00000	3 740	38 99	2 17E+01	21 98
84 000	-3 750	1 4500	87 00000	3 750	38 98	2 18E+01	22 04
86 000	-3 760	1 4833	89 00000	3 760	38 97	2 18E+01	22 10
88 000	-3 770	1 5167	91 00000	3 770	38 96	2 19E+01	22 15
90 000	-3 780	1 5500	93 00000	3 780	38 95	2 20E+01	22 21
92 000	-3 790	1 5833	95 00000	3 790	38 94	2 20E+01	22 27
94 000	-3 800	1 6167	97 00000	3 800	38 93	2 21E+01	22 33
96 000	-3 810	1 6500	99 00000	3 810	38 92	2 21E+01	22 39
98 000	-3 820	1 6833	101 00000	3 820	38 91	2 22E+01	22 45
100 000	-3 830	1 7167	103 00000	3 830	38 90	2 22E+01	22 50
110 000	-3 860	1 8833	113 00000	3 860	38 87	2 24E+01	22 68
120 000	-3 900	2 0500	123 00000	3 900	38 83	2 27E+01	22 91

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
130 000	-3 930	2 2167	133 00000	3 930	38 80	2 28E+01	23 08
140 000	-3 960	2.3833	143 00000	3 960	38 77	2.30E+01	23 26
150 000	-3 980	2 5500	153 00000	3 980	38 75	2.31E+01	23 37
160 000	-4 000	2.7167	163 00000	4 000	38 73	2.32E+01	23 49
170 000	-4 020	2.8833	173 00000	4 020	38 71	2.33E+01	23 61
180 000	-4 040	3 0500	183 00000	4 040	38 69	2.35E+01	23 72
190 000	-4 050	3 2167	193 00000	4 050	38 68	2.35E+01	23 78
200 000	-4 070	3 3833	203 00000	4 070	38 66	2.36E+01	23 90
210 000	-4 080	3 5500	213 00000	4 080	38 65	2.37E+01	23 96
220 000	-4 100	3 7167	223 00000	4 100	38 63	2.38E+01	24 07
230 000	-4 110	3 8833	233 00000	4 110	38 62	2.39E+01	24 13
240 000	-4 120	4 0500	243 00000	4 120	38 61	2.39E+01	24 19
250 000	-4 130	4 2167	253 00000	4 130	38 60	2.40E+01	24 25
260 000	-4 140	4 3833	263 00000	4 140	38 59	2.40E+01	24 30
270 000	-4 150	4 5500	273 00000	4 150	38 58	2.41E+01	24 36
280 000	-4 160	4 7167	283 00000	4 160	38 57	2.42E+01	24 42
290 000	-4 170	4 8833	293 00000	4 170	38 56	2.42E+01	24 48
300 000	-4 170	5 0500	303 00000	4 170	38 56	2.42E+01	24 48
310 000	-4 180	5 2167	313 00000	4 180	38 55	2.43E+01	24 54
320 000	-4 180	5 3833	323 00000	4 180	38 55	2.43E+01	24 54
330 000	-4 190	5 5500	333 00000	4 190	38 54	2.43E+01	24 59
340 000	-4 200	5 7167	343 00000	4 200	38 53	2.44E+01	24 65
350 000	-4 200	5 8833	353 00000	4 200	38 53	2.44E+01	24 65
360 000	-4 200	6 0500	363 00000	4 200	38 53	2.44E+01	24 65
370 000	-4 210	6 2167	373 00000	4 210	38 52	2.45E+01	24 71
380 000	-4 210	6 3833	383 00000	4 210	38 52	2.45E+01	24 71
390 000	-4 220	6 5500	393 00000	4 220	38 51	2.45E+01	24 77
400 000	-4 220	6 7167	403 00000	4 220	38 51	2.45E+01	24 77
410 000	-4 230	6 8833	413 00000	4 230	38 50	2.46E+01	24 83
420 000	-4 230	7 0500	423 00000	4 230	38 50	2.46E+01	24 83
430 000	-4 230	7 2167	433 00000	4 230	38 50	2.46E+01	24 83
440 000	-4 230	7 3833	443 00000	4 230	38 50	2.46E+01	24 83
450 000	-4 240	7 5500	453 00000	4 240	38 49	2.46E+01	24 88
460 000	-4 240	7 7167	463 00000	4 240	38 49	2.46E+01	24 88
470 000	-4 240	7 8833	473 00000	4 240	38 49	2.46E+01	24 88
480 000	-4 240	8 0500	483 00000	4 240	38 49	2.46E+01	24 88
490 000	-4 250	8 2167	493 00000	4 250	38 48	2.47E+01	24 94
500 000	-4 250	8 3833	503 00000	4 250	38 48	2.47E+01	24 94
510 000	-4 250	8 5500	513 00000	4 250	38 48	2.47E+01	24 94
520 000	-4 250	8 7167	523 00000	4 250	38 48	2.47E+01	24 94
530 000	-4 250	8 8833	533 00000	4 250	38 48	2.47E+01	24 94
540 000	-4 250	9 0500	543 00000	4 250	38 48	2.47E+01	24 94
550 000	-4 260	9 2167	553 00000	4 260	38 47	2.47E+01	25 00
560 000	-4 260	9 3833	563 00000	4 260	38 47	2.47E+01	25 00
570 000	-4 260	9 5500	573 00000	4 260	38 47	2.47E+01	25 00
580 000	-4 260	9 7167	583 00000	4 260	38 47	2.47E+01	25 00
590 000	-4 260	9 8833	593 00000	4 260	38 47	2.47E+01	25 00
600 000	-4 260	10 0500	603 00000	4 260	38 47	2.47E+01	25 00
610 000	-4 270	10 2167	613 00000	4 270	38 46	2.48E+01	25 06
620 000	-4 270	10 3833	623 00000	4 270	38 46	2.48E+01	25 06
630 000	-4 270	10 5500	633 00000	4 270	38 46	2.48E+01	25 06
640 000	-4 270	10 7167	643 00000	4 270	38 46	2.48E+01	25 06
650 000	-4 270	10 8833	653 00000	4 270	38 46	2.48E+01	25 06
660 000	-4 270	11 0500	663 00000	4 270	38 46	2.48E+01	25 06
670 000	-4 280	11 2167	673 00000	4 280	38 45	2.49E+01	25 12
680 000	-4 280	11 3833	683 00000	4 280	38 45	2.49E+01	25 12
690 000	-4 280	11 5500	693 00000	4 280	38 45	2.49E+01	25 12
700 000	-4 280	11 7167	703 00000	4 280	38 45	2.49E+01	25 12
710 000	-4 280	11 8833	713 00000	4 280	38 45	2.49E+01	25 12
720 000	-4 280	12 0500	723 00000	4 280	38 45	2.49E+01	25 12
730 000	-4 280	12 2167	733 00000	4 280	38 45	2.49E+01	25 12
740 000	-4 280	12.3833	743 00000	4 280	38 45	2.49E+01	25 12
750 000	-4 280	12 5500	753 00000	4 280	38 45	2.49E+01	25 12
760 000	-4 280	12 7167	763 00000	4 280	38 45	2.49E+01	25 12
770 000	-4 280	12 8833	773 00000	4 280	38 45	2.49E+01	25 12
780 000	-4 290	13 0500	783 00000	4 290	38 44	2.49E+01	25 17
790 000	-4 290	13 2167	793 00000	4 290	38 44	2.49E+01	25 17
800 000	-4 290	13 3833	803 00000	4 290	38 44	2.49E+01	25 17
810 000	-4 290	13 5500	813 00000	4 290	38 44	2.49E+01	25 17
820 000	-4 290	13 7167	823 00000	4 290	38 44	2.49E+01	25 17
830 000	-4 290	13 8833	833 00000	4 290	38 44	2.49E+01	25 17
840 000	-4 290	14 0500	843 00000	4 290	38 44	2.49E+01	25 17
850 000	-4 290	14 2167	853 00000	4 290	38 44	2.49E+01	25 17

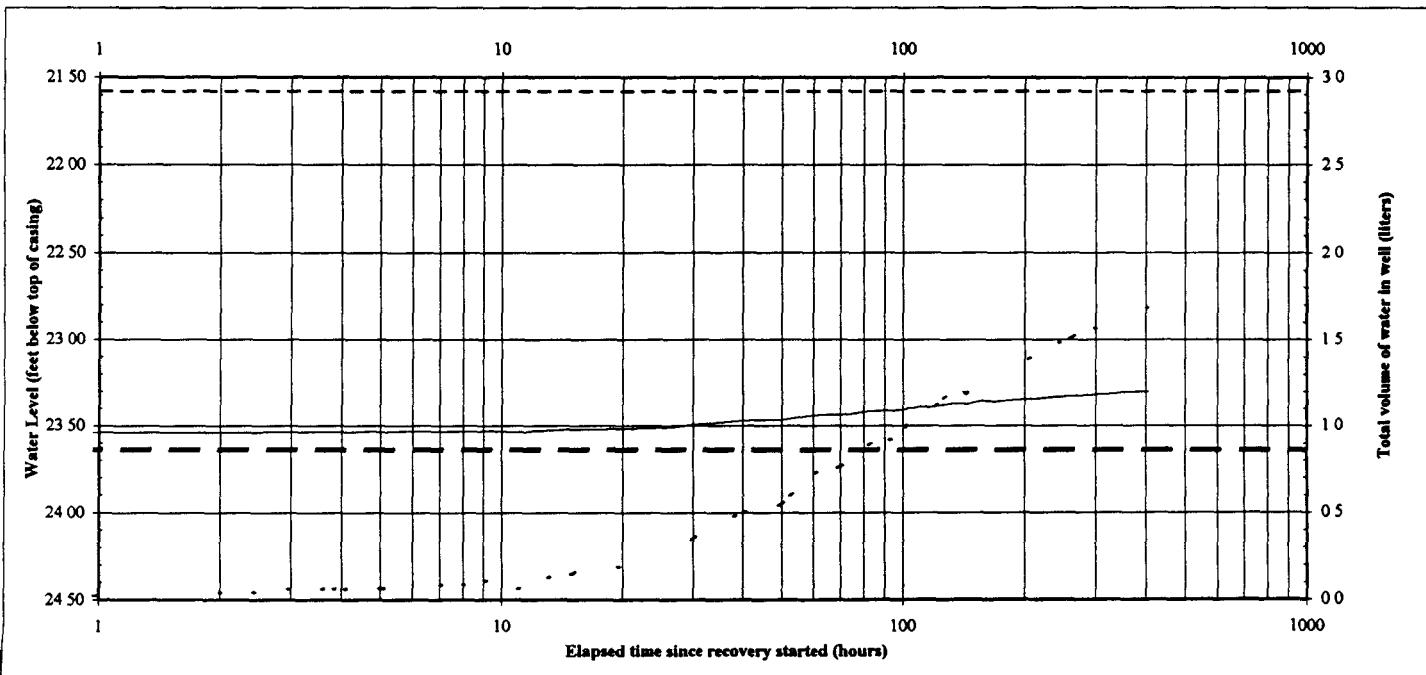
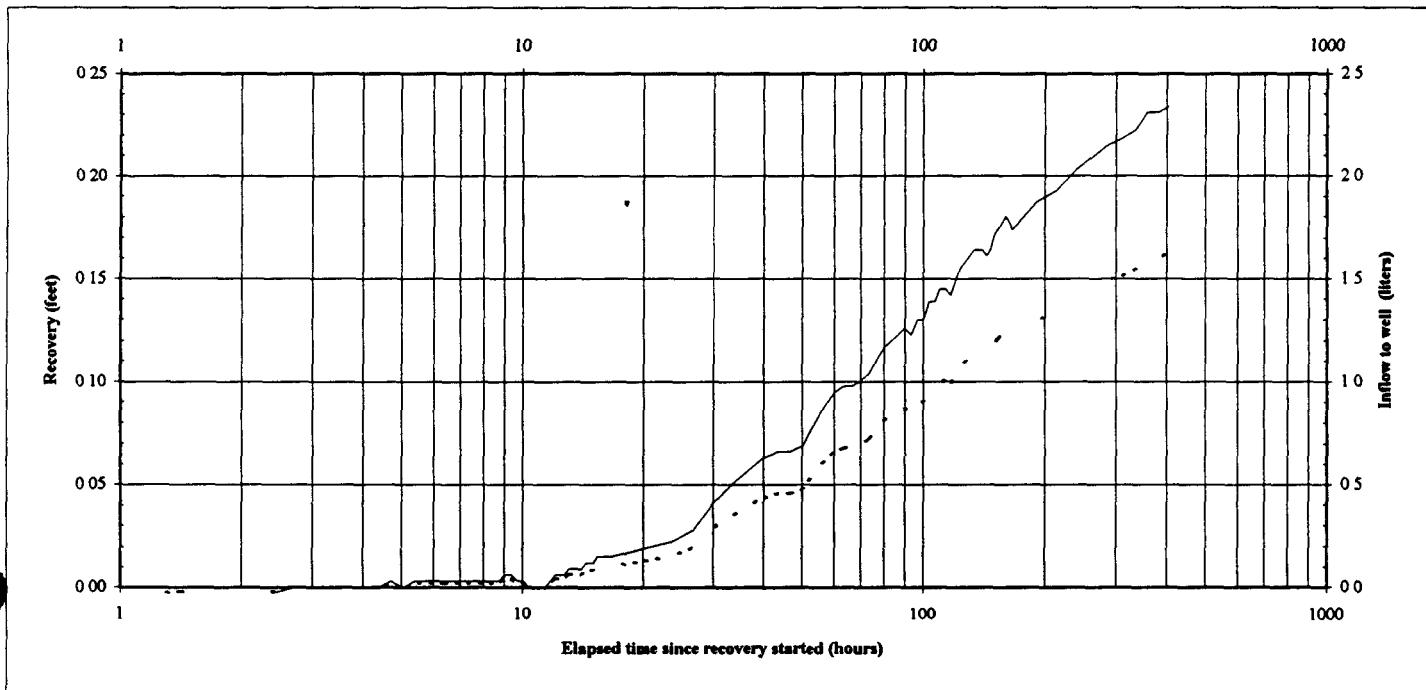
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
860 000	-4 290	14 3833	863 00000	4 290	38 44	2.49E+01	25 17
870 000	-4 300	14 5500	873 00000	4 300	38 43	2.50E+01	25 23
880 000	-4 290	14 7167	883 00000	4 290	38 44	2.49E+01	25 17
890 000	-4 290	14 8833	893 00000	4 290	38 44	2.49E+01	25 17
900 000	-4 290	15 0500	903 00000	4 290	38 44	2.49E+01	25 17
910 000	-4 300	15 2167	913 00000	4 300	38 43	2.50E+01	25 23
920 000	-4 300	15 3833	923 00000	4 300	38 43	2.50E+01	25 23
930 000	-4 300	15 5500	933 00000	4 300	38 43	2.50E+01	25 23
940 000	-4 300	15 7167	943 00000	4 300	38 43	2.50E+01	25 23
950 000	-4 300	15 8833	953 00000	4 300	38 43	2.50E+01	25 23
960 000	-4 300	16 0500	963 00000	4 300	38 43	2.50E+01	25 23
970 000	-4 300	16 2167	973 00000	4 300	38 43	2.50E+01	25 23
980 000	-4 300	16 3833	983 00000	4 300	38 43	2.50E+01	25 23
990 000	-4 300	16 5500	993 00000	4 300	38 43	2.50E+01	25 23
1000 000	-4 300	16 7167	1003 00000	4 300	38 43	2.50E+01	25 23
1100 000	-4 300	18 3833	1103 00000	4 300	38 43	2.50E+01	25 23
1200 000	-4 310	20 0500	1203 00000	4 310	38 42	2.50E+01	25 29
1300 000	-4 310	21 7167	1303 00000	4 310	38 42	2.50E+01	25 29
1400 000	-4 320	23 3833	1403 00000	4 320	38 41	2.51E+01	25 35
1500 000	-4 320	25 0500	1503 00000	4 320	38 41	2.51E+01	25 35
1600 000	-4 320	26 7167	1603 00000	4 320	38 41	2.51E+01	25 35
1700 000	-4 320	28 3833	1703 00000	4 320	38 41	2.51E+01	25 35
1800 000	-4 320	30 0500	1803 00000	4 320	38 41	2.51E+01	25 35
1900 000	-4 320	31 7167	1903 00000	4 320	38 41	2.51E+01	25 35
2000 000	-4 320	33 3833	2003 00000	4 320	38 41	2.51E+01	25 35
2100 000	-4 310	35 0500	2103 00000	4 310	38 42	2.50E+01	25 29
2200 000	-4 310	36.7167	2203 00000	4 310	38 42	2.50E+01	25 29
2300 000	-4 310	38 3833	2303 00000	4 310	38 42	2.50E+01	25 29
2400 000	-4 310	40 0500	2403 00000	4 310	38 42	2.50E+01	25 29
2500 000	-4 310	41 7167	2503 00000	4 310	38 42	2.50E+01	25 29
2600 000	-4 310	43 3833	2603 00000	4 310	38 42	2.50E+01	25 29
2700 000	-4 320	45 0500	2703 00000	4 320	38 41	2.51E+01	25 35
2800 000	-4 320	46 7167	2803 00000	4 320	38 41	2.51E+01	25 35
2900 000	-4 320	48 3833	2903 00000	4 320	38 41	2.51E+01	25 35
3000 000	-4 330	50 0500	3003 00000	4 330	38 40	2.51E+01	25 41
3100 000	-4 330	51 7167	3103 00000	4 330	38 40	2.51E+01	25 41
3200 000	-4 330	53 3833	3203 00000	4 330	38 40	2.51E+01	25 41
3300 000	-4 320	55 0500	3303 00000	4 320	38 41	2.51E+01	25 35
3400 000	-4 330	56 7167	3403 00000	4 330	38 40	2.51E+01	25 41
3500 000	-4 330	58 3833	3503 00000	4 330	38 40	2.51E+01	25 41
3600 000	-4 330	60 0500	3603 00000	4 330	38 40	2.51E+01	25 41
3700 000	-4 330	61 7167	3703 00000	4 330	38 40	2.51E+01	25 41
3800 000	-4 330	63 3833	3803 00000	4 330	38 40	2.51E+01	25 41
3900 000	-4 330	65 0500	3903 00000	4 330	38 40	2.51E+01	25 41
4000 000	-4 330	66 7167	4003 00000	4 330	38 40	2.51E+01	25 41
4100 000	-4 330	68 3833	4103 00000	4 330	38 40	2.51E+01	25 41

Well No. 31491
Measured recovery after sampling

Date: 20-May-94
2nd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

31491

Date Sampled

2nd quarter

20-May-94

Final bail time	13:56			
Set transducer time	13:59			
Static Water Level (pre-sampling)	21.6			
Final water level (post-sampling)	23.3			
Last recorded water level	-0.2			
Transducer Reference Depth	23.5			
Bottom of well	23.5			
First recorded water level	0.0			
First recorded water level	23.5			
Water column remaining in casing after purging	0.1			
Volume remaining in casing after purging	0.1			
Well Diameter	11.0	feet	0.917	feet
Well Radius	5.5	inches	0.458	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	11.8	feet below top of casing		

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	0 000	0 0500	3 00000	0 000	23 53	0 00E+00	0 07
0 003	0 000	0 0501	3 00330	0 000	23 53	0 00E+00	0 07
0 007	0 000	0 0501	3 00660	0 000	23 53	0 00E+00	0 07
0 010	0 000	0 0502	3 01000	0 000	23 53	0 00E+00	0 07
0 013	0 000	0 0502	3 01330	0 000	23 53	0 00E+00	0 07
0 017	0 000	0 0503	3 01660	0 000	23 53	0 00E+00	0 07
0 020	0 000	0 0503	3 02000	0 000	23 53	0 00E+00	0 07
0 023	0 000	0 0504	3 02230	0 000	23 53	0 00E+00	0 07
0 027	0 000	0 0504	3 02660	0 000	23 53	0 00E+00	0 07
0 030	0 000	0 0505	3 03000	0 000	23 53	0 00E+00	0 07
0 033	0 000	0 0506	3 03330	0 000	23 53	0 00E+00	0 07
0 037	0 000	0 0506	3 03660	0 000	23 53	0 00E+00	0 07
0 040	0 000	0 0507	3 04000	0 000	23 53	0 00E+00	0 07
0 043	0 000	0 0507	3 04330	0 000	23 53	0 00E+00	0 07
0 047	0 000	0 0508	3 04660	0 000	23 53	0 00E+00	0 07
0 050	0 000	0 0508	3 05000	0 000	23 53	0 00E+00	0 07
0 053	0 000	0 0509	3 05330	0 000	23 53	0 00E+00	0 07
0 057	0 000	0 0509	3 05660	0 000	23 53	0 00E+00	0 07
0 060	0 000	0 0510	3 06000	0 000	23 53	0 00E+00	0 07
0 063	0 000	0 0511	3 06330	0 000	23 53	0 00E+00	0 07
0 067	0 000	0 0511	3 06660	0 000	23 53	0 00E+00	0 07
0 070	0 000	0 0512	3 07000	0 000	23 53	0 00E+00	0 07
0 073	0 000	0 0512	3 07330	0 000	23 53	0 00E+00	0 07
0 077	0 000	0 0513	3 07660	0 000	23 53	0 00E+00	0 07
0 080	0 000	0 0513	3 08000	0 000	23 53	0 00E+00	0 07
0 083	0 000	0 0514	3 08330	0 000	23 53	0 00E+00	0 07
0 087	0 000	0 0514	3 08660	0 000	23 53	0 00E+00	0 07
0 090	0 000	0 0515	3 09000	0 000	23 53	0 00E+00	0 07
0 093	0 000	0 0516	3 09330	0 000	23 53	0 00E+00	0 07
0 097	0 000	0 0516	3 09660	0 000	23 53	0 00E+00	0 07
0 100	0 000	0 0517	3 10000	0 000	23 53	0 00E+00	0 07
0 103	0 000	0 0517	3 10330	0 000	23 53	0 00E+00	0 07
0 107	0 000	0 0518	3 10660	0 000	23 53	0 00E+00	0 07
0 110	0 000	0 0518	3 11000	0 000	23 53	0 00E+00	0 07
0 113	0 000	0 0519	3 11330	0 000	23 53	0 00E+00	0 07
0 117	0 000	0 0519	3 11660	0 000	23 53	0 00E+00	0 07
0 120	0 000	0 0520	3 12000	0 000	23 53	0 00E+00	0 07
0 123	0 000	0 0521	3 12330	0 000	23 53	0 00E+00	0 07
0 127	0 000	0 0521	3 12660	0 000	23 53	0 00E+00	0 07
0 130	0 000	0 0522	3 13000	0 000	23 53	0 00E+00	0 07

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 133	0 000	0 0522	3 13330	0 000	23 53	0 00E+00	0 07
0 137	0 000	0 0523	3 13660	0 000	23 53	0 00E+00	0 07
0 140	0 000	0 0523	3 14000	0 000	23 53	0 00E+00	0 07
0 143	0 000	0 0524	3 14330	0 000	23 53	0 00E+00	0 07
0 147	0 000	0 0524	3 14660	0 000	23 53	0 00E+00	0 07
0 150	0 000	0 0525	3 15000	0 000	23 53	0 00E+00	0 07
0 153	0 000	0 0526	3 15330	0 000	23 53	0 00E+00	0 07
0 157	0 000	0 0526	3 15660	0 000	23 53	0 00E+00	0 07
0 160	0 000	0 0527	3 16000	0 000	23 53	0 00E+00	0 07
0 163	0 000	0 0527	3 16330	0 000	23 53	0 00E+00	0 07
0 167	0 000	0 0528	3 16660	0 000	23 53	0 00E+00	0 07
0 170	0 000	0 0528	3 17000	0 000	23 53	0 00E+00	0 07
0 173	0 000	0 0529	3 17330	0 000	23 53	0 00E+00	0 07
0 177	0 000	0 0529	3 17660	0 000	23 53	0 00E+00	0 07
0 180	0 000	0 0530	3 18000	0 000	23 53	0 00E+00	0 07
0 183	0 000	0 0531	3 18330	0 000	23 53	0 00E+00	0 07
0 187	0 000	0 0531	3 18660	0 000	23 53	0 00E+00	0 07
0 190	0 000	0 0532	3 19000	0 000	23 53	0 00E+00	0 07
0 193	0 000	0 0532	3 19330	0 000	23 53	0 00E+00	0 07
0 197	0 000	0 0533	3 19660	0 000	23 53	0 00E+00	0 07
0 200	0 000	0 0533	3 20000	0 000	23 53	0 00E+00	0 07
0 203	0 000	0 0534	3 20330	0 000	23 53	0 00E+00	0 07
0 207	0 000	0 0534	3 20660	0 000	23 53	0 00E+00	0 07
0 210	0 000	0 0535	3 21000	0 000	23 53	0 00E+00	0 07
0 213	0 000	0 0536	3 21330	0 000	23 53	0 00E+00	0 07
0 217	0 000	0 0536	3 21660	0 000	23 53	0 00E+00	0 07
0 220	0 000	0 0537	3 22000	0 000	23 53	0 00E+00	0 07
0 223	0 000	0 0537	3 22330	0 000	23 53	0 00E+00	0 07
0 227	0 000	0 0538	3 22660	0 000	23 53	0 00E+00	0 07
0 230	0 000	0 0538	3 23000	0 000	23 53	0 00E+00	0 07
0 233	0 000	0 0539	3 23330	0 000	23 53	0 00E+00	0 07
0 237	0 000	0 0539	3 23660	0 000	23 53	0 00E+00	0 07
0 240	0 000	0 0540	3 24000	0 000	23 53	0 00E+00	0 07
0 243	0 000	0 0541	3 24330	0 000	23 53	0 00E+00	0 07
0 247	0 000	0 0541	3 24660	0 000	23 53	0 00E+00	0 07
0 250	0 000	0 0542	3 25000	0 000	23 53	0 00E+00	0 07
0 253	0 000	0 0542	3 25330	0 000	23 53	0 00E+00	0 07
0 257	0 000	0 0543	3 25660	0 000	23 53	0 00E+00	0 07
0 260	0 000	0 0543	3 26000	0 000	23 53	0 00E+00	0 07
0 263	0 000	0 0544	3 26330	0 000	23 53	0 00E+00	0 07
0 267	0 000	0 0544	3 26660	0 000	23 53	0 00E+00	0 07
0 270	0 000	0 0545	3 27000	0 000	23 53	0 00E+00	0 07
0 273	0 000	0 0546	3 27330	0 000	23 53	0 00E+00	0 07
0 277	0 000	0 0546	3 27660	0 000	23 53	0 00E+00	0 07
0 280	0 000	0 0547	3 28000	0 000	23 53	0 00E+00	0 07
0 283	0 000	0 0547	3 28330	0 000	23 53	0 00E+00	0 07
0 287	0 000	0 0548	3 28660	0 000	23 53	0 00E+00	0 07
0 290	0 000	0 0548	3 29000	0 000	23 53	0 00E+00	0 07
0 293	0 000	0 0549	3 29330	0 000	23 53	0 00E+00	0 07
0 297	0 000	0 0549	3 29660	0 000	23 53	0 00E+00	0 07
0 300	0 000	0 0550	3 30000	0 000	23 53	0 00E+00	0 07
0 303	0 000	0 0551	3 30330	0 000	23 53	0 00E+00	0 07
0 307	0 000	0 0551	3 30660	0 000	23 53	0 00E+00	0 07
0 310	0 000	0 0552	3 31000	0 000	23 53	0 00E+00	0 07
0 313	0 000	0 0552	3 31330	0 000	23 53	0 00E+00	0 07
0 317	0 000	0 0553	3 31660	0 000	23 53	0 00E+00	0 07
0 320	0 000	0 0553	3 32000	0 000	23 53	0 00E+00	0 07
0 323	0 000	0 0554	3 32330	0 000	23 53	0 00E+00	0 07
0 327	0 000	0 0554	3 32660	0 000	23 53	0 00E+00	0 07
0 330	0 000	0 0555	3 33000	0 000	23 53	0 00E+00	0 07
0 333	0 000	0 0556	3 33330	0 000	23 53	0 00E+00	0 07
0 350	0 000	0 0558	3 35000	0 000	23 53	0 00E+00	0 07
0 367	0 000	0 0561	3 36660	0 000	23 53	0 00E+00	0 07
0 383	0 000	0 0564	3 38330	0 000	23 53	0 00E+00	0 07
0 400	0 000	0 0567	3 40000	0 000	23 53	0 00E+00	0 07
0 417	0 000	0 0569	3 41660	0 000	23 53	0 00E+00	0 07
0 433	0 000	0 0572	3 43330	0 000	23 53	0 00E+00	0 07
0 450	0 000	0 0575	3 45000	0 000	23 53	0 00E+00	0 07
0 467	0 000	0 0578	3 46660	0 000	23 53	0 00E+00	0 07
0 483	0 000	0 0581	3 48330	0 000	23 53	0 00E+00	0 07
0 500	0 000	0 0583	3 50000	0 000	23 53	0 00E+00	0 07
0 517	0 000	0 0586	3 51660	0 000	23 53	0 00E+00	0 07
0 533	0 000	0 0589	3 53330	0 000	23 53	0 00E+00	0 07
0 550	0 000	0 0592	3 55000	0 000	23 53	0 00E+00	0 07

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 567	0 000	0 0594	3 56660	0 000	23 53	0 00E+00	0 07
0 583	0 000	0 0597	3 58330	0 000	23 53	0 00E+00	0 07
0 600	0 000	0 0600	3 60000	0 000	23 53	0 00E+00	0 07
0 617	0 000	0 0603	3 61660	0 000	23 53	0 00E+00	0 07
0 633	0 000	0 0606	3 63330	0 000	23 53	0 00E+00	0 07
0 650	0 000	0 0608	3 65000	0 000	23 53	0 00E+00	0 07
0 667	0 000	0 0611	3 66660	0 000	23 53	0 00E+00	0 07
0 683	0 000	0 0614	3 68330	0 000	23 53	0 00E+00	0 07
0 700	0 000	0 0617	3 70000	0 000	23 53	0 00E+00	0 07
0 717	0 000	0 0619	3 71660	0 000	23 53	0 00E+00	0 07
0 733	0 000	0 0622	3 73330	0 000	23 53	0 00E+00	0 07
0 750	0 000	0 0625	3 75000	0 000	23 53	0 00E+00	0 07
0 767	0 000	0 0628	3 76660	0 000	23 53	0 00E+00	0 07
0 783	0 000	0 0631	3 78330	0 000	23 53	0 00E+00	0 07
0 800	0 000	0 0633	3 80000	0 000	23 53	0 00E+00	0 07
0 817	0 000	0 0636	3 81660	0 000	23 53	0 00E+00	0 07
0 833	0 000	0 0639	3 83330	0 000	23 53	0 00E+00	0 07
0 850	0 000	0 0642	3 85000	0 000	23 53	0 00E+00	0 07
0 867	0 000	0 0644	3 86660	0 000	23 53	0 00E+00	0 07
0 883	0 000	0 0647	3 88330	0 000	23 53	0 00E+00	0 07
0 900	0 000	0 0650	3 90000	0 000	23 53	0 00E+00	0 07
0 917	0 000	0 0653	3 91660	0 000	23 53	0 00E+00	0 07
0 933	0 000	0 0656	3 93330	0 000	23 53	0 00E+00	0 07
0 950	0 000	0 0658	3 95000	0 000	23 53	0 00E+00	0 07
0 967	0 000	0 0661	3 96660	0 000	23 53	0 00E+00	0 07
0 983	0 000	0 0664	3 98330	0 000	23 53	0 00E+00	0 07
1 000	0 000	0 0667	4 00000	0 000	23 53	0 00E+00	0 07
1 200	0 000	0 0700	4 20000	0 000	23 53	0 00E+00	0 07
1 400	0 000	0 0733	4 40000	0 000	23 53	0 00E+00	0 07
1 600	0 000	0 0767	4 60000	0 000	23 53	0 00E+00	0 07
1 800	0 000	0 0800	4 80000	0 000	23 53	0 00E+00	0 07
2 000	0 000	0 0833	5 00000	0 000	23 53	0 00E+00	0 07
2 200	-0 003	0 0867	5 20000	0 003	23 53	2 08E-02	0 09
2 400	0 000	0 0900	5 40000	0 000	23 53	0 00E+00	0 07
2 600	-0 003	0 0933	5 60000	0 003	23 53	2 08E-02	0 09
2 800	-0 003	0 0967	5 80000	0 003	23 53	2 08E-02	0 09
3 000	-0 003	0 1000	6 00000	0 003	23 53	2 08E-02	0 09
3 200	0 000	0 1033	6 20000	0 000	23 53	0 00E+00	0 07
3 400	-0 003	0 1067	6 40000	0 003	23 53	2 08E-02	0 09
3 600	-0 003	0 1100	6 60000	0 003	23 53	2 08E-02	0 09
3 800	0 000	0 1133	6 80000	0 000	23 53	0 00E+00	0 07
4 000	0 000	0 1167	7 00000	0 000	23 53	0 00E+00	0 07
4 200	0 000	0 1200	7 20000	0 000	23 53	0 00E+00	0 07
4 400	0 000	0 1233	7 40000	0 000	23 53	0 00E+00	0 07
4 600	0 000	0 1267	7 60000	0 000	23 53	0 00E+00	0 07
4 800	-0 003	0 1300	7 80000	0 003	23 53	2 08E-02	0 09
5 000	-0 003	0 1333	8 00000	0 003	23 53	2 08E-02	0 09
5 200	0 000	0 1367	8 20000	0 000	23 53	0 00E+00	0 07
5 400	-0 003	0 1400	8 40000	0 003	23 53	2 08E-02	0 09
5 600	0 000	0 1433	8 60000	0 000	23 53	0 00E+00	0 07
5 800	-0 003	0 1467	8 80000	0 003	23 53	2 08E-02	0 09
6 000	0 000	0 1500	9 00000	0 000	23 53	0 00E+00	0 07
6 200	-0 003	0 1533	9 20000	0 003	23 53	2 08E-02	0 09
6 400	-0 003	0 1567	9 40000	0 003	23 53	2 08E-02	0 09
6 600	-0 003	0 1600	9 60000	0 003	23 53	2 08E-02	0 09
6 800	0 000	0 1633	9 80000	0 000	23 53	0 00E+00	0 07
7 000	-0 003	0 1667	10 00000	0 003	23 53	2 08E-02	0 09
7 200	0 000	0 1700	10 20000	0 000	23 53	0 00E+00	0 07
7 400	-0 003	0 1733	10 40000	0 003	23 53	2 08E-02	0 09
7 600	0 000	0 1767	10 60000	0 000	23 53	0 00E+00	0 07
7 800	-0 003	0 1800	10 80000	0 003	23 53	2 08E-02	0 09
8 000	0 000	0 1833	11 00000	0 000	23 53	0 00E+00	0 07
8 200	-0 003	0 1867	11 20000	0 003	23 53	2 08E-02	0 09
8 400	0 000	0 1900	11 40000	0 000	23 53	0 00E+00	0 07
8 600	-0 003	0 1933	11 60000	0 003	23 53	2 08E-02	0 09
8 800	0 000	0 1967	11 80000	0 000	23 53	0 00E+00	0 07
9 000	0 000	0 2000	12 00000	0 000	23 53	0 00E+00	0 07
9 200	0 000	0 2033	12 20000	0 000	23 53	0 00E+00	0 07
9 400	0 000	0 2067	12 40000	0 000	23 53	0 00E+00	0 07
9 600	-0 003	0 2100	12 60000	0 003	23 53	2 08E-02	0 09
9 800	0 000	0 2133	12 80000	0 000	23 53	0 00E+00	0 07
10 000	-0 003	0 2167	13 00000	0 003	23 53	2 08E-02	0 09
12 000	0 003	0 2500	15 00000	-0 003	23 54	-2 08E-02	0 04
14 000	0 003	0 2833	17 00000	-0 003	23 54	-2 08E-02	0 04

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
16 000	0 006	0 3167	19 00000	-0 006	23 54	-4 17E-02	0 02
18 000	0 006	0 3500	21 00000	-0 006	23 54	-4 17E-02	0 02
20 000	0 003	0 3833	23 00000	-0 003	23 54	-2 08E-02	0 04
22 000	0 003	0 4167	25 00000	-0 003	23 54	-2 08E-02	0 04
24 000	0 006	0 4500	27 00000	-0 006	23 54	-4 17E-02	0 02
26 000	0 006	0 4833	29 00000	-0 006	23 54	-4 17E-02	0 02
28 000	0 006	0 5167	31 00000	-0 006	23 54	-4 17E-02	0 02
30 000	0 006	0 5500	33 00000	-0 006	23 54	-4 17E-02	0 02
32 000	0 006	0 5833	35 00000	-0 006	23 54	-4 17E-02	0 02
34 000	0 006	0 6167	37 00000	-0 006	23 54	-4 17E-02	0 02
36 000	0 006	0 6500	39 00000	-0 006	23 54	-4 17E-02	0 02
38 000	0 006	0 6833	41 00000	-0 006	23 54	-4 17E-02	0 02
40 000	0 006	0 7167	43 00000	-0 006	23 54	-4 17E-02	0 02
42 000	0 006	0 7500	45 00000	-0 006	23 54	-4 17E-02	0 02
44 000	0 006	0 7833	47 00000	-0 006	23 54	-4 17E-02	0 02
46 000	0 006	0 8167	49 00000	-0 006	23 54	-4 17E-02	0 02
48 000	0 006	0 8500	51 00000	-0 006	23 54	-4 17E-02	0 02
50 000	0 006	0 8833	53 00000	-0 006	23 54	-4 17E-02	0 02
52 000	0 006	0 9167	55 00000	-0 006	23 54	-4 17E-02	0 02
54 000	0 006	0 9500	57 00000	-0 006	23 54	-4 17E-02	0 02
56 000	0 006	0 9833	59 00000	-0 006	23 54	-4 17E-02	0 02
58 000	0 006	1 0167	61 00000	-0 006	23 54	-4 17E-02	0 02
60 000	0 006	1 0500	63 00000	-0 006	23 54	-4 17E-02	0 02
62 000	0 006	1 0833	65 00000	-0 006	23 54	-4 17E-02	0 02
64 000	0 006	1 1167	67 00000	-0 006	23 54	-4 17E-02	0 02
66 000	0 006	1 1500	69 00000	-0 006	23 54	-4 17E-02	0 02
68 000	0 006	1 1833	71 00000	-0 006	23 54	-4 17E-02	0 02
70 000	0 006	1 2167	73 00000	-0 006	23 54	-4 17E-02	0 02
72 000	0 006	1 2500	75 00000	-0 006	23 54	-4 17E-02	0 02
74 000	0 006	1 2833	77 00000	-0 006	23 54	-4 17E-02	0 02
76 000	0 003	1 3167	79 00000	-0 003	23 54	-2 08E-02	0 04
78 000	0 006	1 3500	81 00000	-0 006	23 54	-4 17E-02	0 02
80 000	0 003	1 3833	83 00000	-0 003	23 54	-2 08E-02	0 04
82 000	0 003	1 4167	85 00000	-0 003	23 54	-2 08E-02	0 04
84 000	0 003	1 4500	87 00000	-0 003	23 54	-2 08E-02	0 04
86 000	0 003	1 4833	89 00000	-0 003	23 54	-2 08E-02	0 04
88 000	0 003	1 5167	91 00000	-0 003	23 54	-2 08E-02	0 04
90 000	0 003	1 5500	93 00000	-0 003	23 54	-2 08E-02	0 04
92 000	0 003	1 5833	95 00000	-0 003	23 54	-2 08E-02	0 04
94 000	0 003	1 6167	97 00000	-0 003	23 54	-2 08E-02	0 04
96 000	0 003	1 6500	99 00000	-0 003	23 54	-2 08E-02	0 04
98 000	0 003	1 6833	101 00000	-0 003	23 54	-2 08E-02	0 04
100 000	0 003	1 7167	103 00000	-0 003	23 54	-2 08E-02	0 04
120 000	0 003	2 0500	123 00000	-0 003	23 54	-2 08E-02	0 04
140 000	0 003	2 3833	143 00000	-0 003	23 54	-2 08E-02	0 04
160 000	0 000	2 7167	163 00000	0 000	23 53	0 00E+00	0 07
180 000	0 000	3 0500	183 00000	0 000	23 53	0 00E+00	0 07
200 000	0 000	3 3833	203 00000	0 000	23 53	0 00E+00	0 07
220 000	0 000	3 7167	223 00000	0 000	23 53	0 00E+00	0 07
240 000	0 000	4 0500	243 00000	0 000	23 53	0 00E+00	0 07
260 000	0 000	4 3833	263 00000	0 000	23 53	0 00E+00	0 07
280 000	-0 003	4 7167	283 00000	0 003	23 53	2 08E-02	0 09
300 000	0 000	5 0500	303 00000	0 000	23 53	0 00E+00	0 07
320 000	-0 003	5 3833	323 00000	0 003	23 53	2 08E-02	0 09
340 000	-0 003	5 7167	343 00000	0 003	23 53	2 08E-02	0 09
360 000	-0 003	6 0500	363 00000	0 003	23 53	2 08E-02	0 09
380 000	-0 003	6 3833	383 00000	0 003	23 53	2 08E-02	0 09
400 000	-0 003	6 7167	403 00000	0 003	23 53	2 08E-02	0 09
420 000	-0 003	7 0500	423 00000	0 003	23 53	2 08E-02	0 09
440 000	-0 003	7 3833	443 00000	0 003	23 53	2 08E-02	0 09
460 000	-0 003	7 7167	463 00000	0 003	23 53	2 08E-02	0 09
480 000	-0 003	8 0500	483 00000	0 003	23 53	2 08E-02	0 09
500 000	-0 003	8 3833	503 00000	0 003	23 53	2 08E-02	0 09
520 000	-0 003	8 7167	523 00000	0 003	23 53	2 08E-02	0 09
540 000	-0 006	9 0500	543 00000	0 006	23 53	4 17E-02	0 11
560 000	-0 006	9 3833	563 00000	0 006	23 53	4 17E-02	0 11
580 000	-0 003	9 7167	583 00000	0 003	23 53	2 08E-02	0 09
600 000	-0 003	10 0500	603 00000	0 003	23 53	2 08E-02	0 09
620 000	0 000	10 3833	623 00000	0 000	23 53	0 00E+00	0 07
640 000	0 000	10 7167	643 00000	0 000	23 53	0 00E+00	0 07
660 000	0 000	11 0500	663 00000	0 000	23 53	0 00E+00	0 07
680 000	0 000	11 3833	683 00000	0 000	23 53	0 00E+00	0 07
700 000	-0 003	11 7167	703 00000	0 003	23 53	2 08E-02	0 09
720 000	-0 006	12 0500	723 00000	0 006	23 53	4 17E-02	0 11

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
740 000	-0 006	12.3833	743 00000	0 006	23 53	4 17E-02	0 11
760 000	-0 006	12.7167	763 00000	0 006	23 53	4 17E-02	0 11
780 000	-0 009	13 0500	783 00000	0 009	23 53	6 25E-02	0 13
800 000	-0 009	13 3833	803 00000	0 009	23 53	6 25E-02	0 13
820 000	-0 009	13 7167	823 00000	0 009	23 53	6 25E-02	0 13
840 000	-0 009	14 0500	843 00000	0 009	23 53	6 25E-02	0 13
860 000	-0 012	14 3833	863 00000	0 012	23 52	8 33E-02	0 15
880 000	-0 012	14 7167	883 00000	0 012	23 52	8 33E-02	0 15
900 000	-0 012	15 0500	903 00000	0 012	23 52	8 33E-02	0 15
920 000	-0 015	15 3833	923 00000	0 015	23 52	1 04E-01	0 17
940 000	-0 015	15 7167	943 00000	0 015	23 52	1 04E-01	0 17
960 000	-0 015	16 0500	963 00000	0 015	23 52	1 04E-01	0 17
980 000	-0 015	16 3833	983 00000	0 015	23 52	1 04E-01	0 17
1000 000	-0 015	16 7167	1003 00000	0 015	23 52	1 04E-01	0 17
1200 000	-0 019	20 0500	1203 00000	0 019	23 52	1 32E-01	0 20
1400 000	-0 022	23 3833	1403 00000	0 022	23 51	1 53E-01	0 22
1600 000	-0 028	26 7167	1603 00000	0 028	23 51	1 94E-01	0 26
1800 000	-0 041	30 0500	1803 00000	0 041	23 49	2 85E-01	0 35
2000 000	-0 050	33 3833	2003 00000	0 050	23 48	3 47E-01	0 41
2200 000	-0 057	36 7167	2203 00000	0 057	23 48	3 96E-01	0 46
2400 000	-0 063	40 0500	2403 00000	0 063	23 47	4 37E-01	0 50
2600 000	-0 066	43 3833	2603 00000	0 066	23 47	4 58E-01	0 52
2800 000	-0 066	46 7167	2803 00000	0 066	23 47	4 58E-01	0 52
3000 000	-0 069	50 0500	3003 00000	0 069	23 47	4 79E-01	0 54
3200 000	-0 079	53 3833	3203 00000	0 079	23 46	5 49E-01	0 61
3400 000	-0 088	56 7167	3403 00000	0 088	23 45	6 11E-01	0 68
3600 000	-0 095	60 0500	3603 00000	0 095	23 44	6 60E-01	0 73
3800 000	-0 098	63 3833	3803 00000	0 098	23 44	6 80E-01	0 75
4000 000	-0 098	66 7167	4003 00000	0 098	23 44	6 80E-01	0 75
4200 000	-0 101	70 0500	4203 00000	0 101	23 43	7 01E-01	0 77
4400 000	-0 104	73 3833	4403 00000	0 104	23 43	7 22E-01	0 79
4600 000	-0 111	76 7167	4603 00000	0 111	23 42	7 71E-01	0 84
4800 000	-0 117	80 0500	4803 00000	0 117	23 42	8 12E-01	0 88
5000 000	-0 120	83 3833	5003 00000	0 120	23 41	8 33E-01	0 90
5200 000	-0 123	86 7167	5203 00000	0 123	23 41	8 54E-01	0 92
5400 000	-0 126	90 0500	5403 00000	0 126	23 41	8 75E-01	0 94
5600 000	-0 123	93 3833	5603 00000	0 123	23 41	8 54E-01	0 92
5800 000	-0 130	96 7167	5803 00000	0 130	23 40	9 03E-01	0 97
6000 000	-0 130	100 0500	6003 00000	0 130	23 40	9 03E-01	0 97
6200 000	-0 139	103 3833	6203 00000	0 139	23 40	9 65E-01	1 03
6400 000	-0 139	106 7167	6403 00000	0 139	23 40	9 65E-01	1 03
6600 000	-0 145	110 0500	6603 00000	0 145	23 39	1 01E+00	1 07
6800 000	-0 145	113 3833	6803 00000	0 145	23 39	1 01E+00	1 07
7000 000	-0 142	116 7167	7003 00000	0 142	23 39	9 86E-01	1 05
7200 000	-0 149	120 0500	7203 00000	0 149	23 39	1 03E+00	1 10
7400 000	-0 155	123 3833	7403 00000	0 155	23 38	1 08E+00	1 14
7600 000	-0 158	126 7167	7603 00000	0 158	23 38	1 10E+00	1 16
7800 000	-0 161	130 0500	7803 00000	0 161	23 37	1 12E+00	1 18
8000 000	-0 164	133 3833	8003 00000	0 164	23 37	1 14E+00	1 20
8200 000	-0 164	136 7167	8203 00000	0 164	23 37	1 14E+00	1 20
8400 000	-0 164	140 0500	8403 00000	0 164	23 37	1 14E+00	1 20
8600 000	-0 161	143 3833	8603 00000	0 161	23 37	1 12E+00	1 18
8800 000	-0 164	146 7167	8803 00000	0 164	23 37	1 14E+00	1 20
9000 000	-0 171	150 0500	9003 00000	0 171	23 36	1 19E+00	1 25
9200 000	-0 174	153 3833	9203 00000	0 174	23 36	1 21E+00	1 27
9400 000	-0 177	156 7167	9403 00000	0 177	23 36	1 23E+00	1 29
9600 000	-0 180	160 0500	9603 00000	0 180	23 35	1 25E+00	1 32
9800 000	-0 177	163 3833	9803 00000	0 177	23 36	1 23E+00	1 29
10000 000	-0 174	166 7167	10003 00000	0 174	23 36	1 21E+00	1 27
11440 000	-0 187	190 7167	11443 00000	0 187	23 35	1 30E+00	1 36
12880 000	-0 193	214 7167	12883 00000	0 193	23 34	1 34E+00	1 41
14320 000	-0 203	238 7167	14323 00000	0 203	23 33	1 41E+00	1 47
15760 000	-0 209	262 7167	15763 00000	0 209	23 33	1 45E+00	1 52
17200 000	-0 215	286 7167	17203 00000	0 215	23 32	1 49E+00	1 56
18640 000	-0 218	310 7167	18643 00000	0 218	23 32	1 51E+00	1 58
20080 000	-0 222	334 7167	20083 00000	0 222	23 31	1 54E+00	1 61
21520 000	-0 231	358 7167	21523 00000	0 231	23 30	1 60E+00	1 67
22960 000	-0 231	382.7167	22963 00000	0 231	23 30	1 60E+00	1 67
24400 000	-0 234	406 7167	24403 00000	0 234	23 30	1 62E+00	1 69

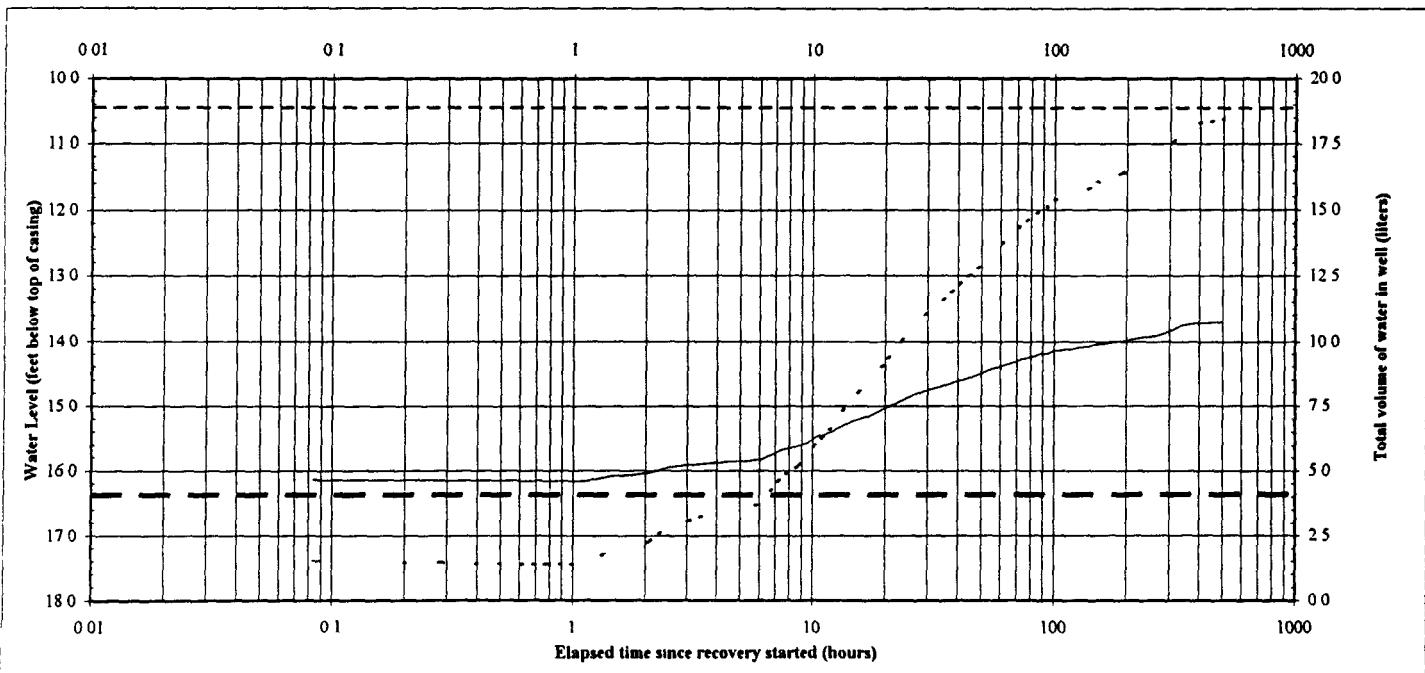
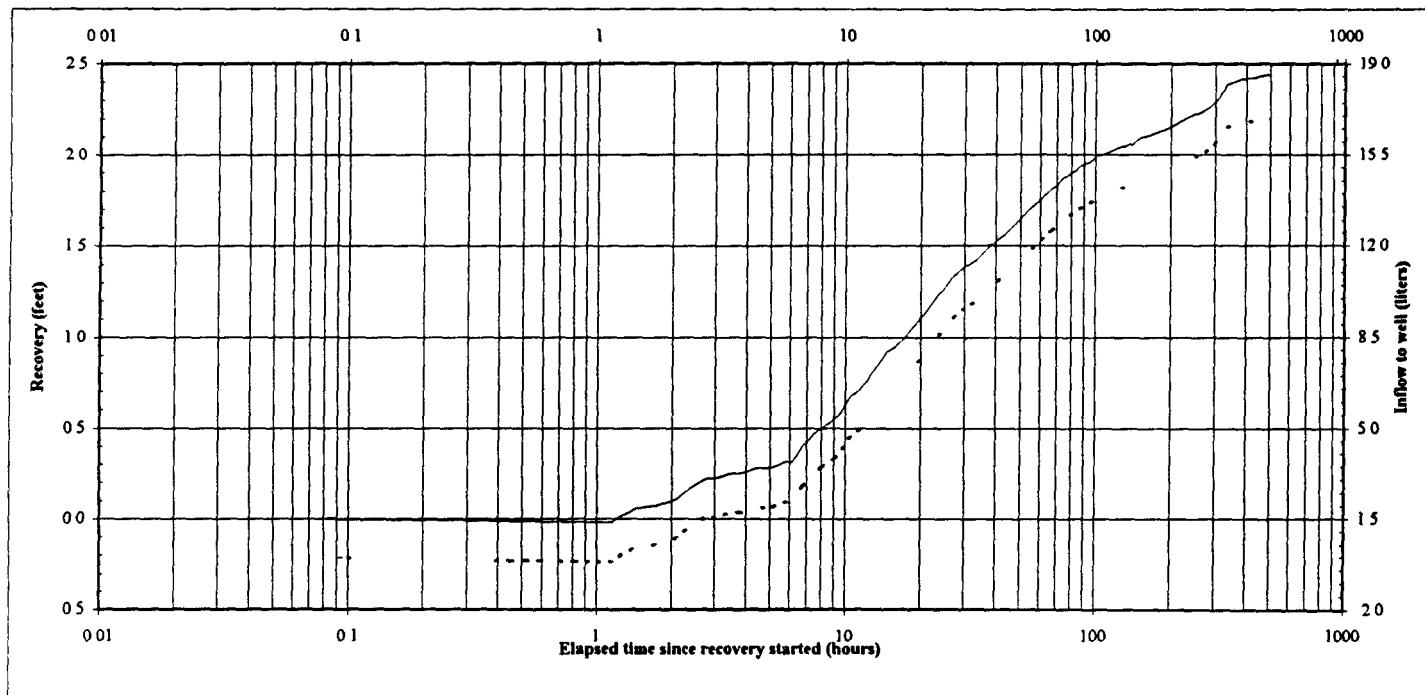
F 0676

Well No. 31791
Measured recovery after sampling

Date: 15-Jul-94
3rd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

31791

Date Sampled

3rd quarter

15-Jul-94

Final bail time	11.40			
Set transducer time	11.45			
Static water level (pre sampling)	10.5			
Final water level (post-recovery)	13.7	feet below top of casing		
Last recorded water level	12.4	feet below top of casing		
Transducer reference depth	16.1	feet below transducer		
Bottom of well	16.4	feet below top of casing		
First recorded water level	0.0	feet below top of casing		
First recorded water level	16.1	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.5	liters		
Well diameter	11.0	inches	0.917	feet
Well radius	5.5	inches	0.458	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	6.3	feet below top of casing		
			0.62	liters/foot
			6.94	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 003	0 0833	5 00000	-0 003	16 14	2 08E-02
0 003	-0 003	0 0834	5 00330	0 003	16 14	1 53
0 007	-0 003	0 0834	5 00660	0 003	16 14	2 08E-02
0 010	0 000	0 0835	5 01000	0 000	16 14	0 00E+00
0 013	0 000	0 0836	5 01330	0 000	16 14	0 00E+00
0 017	-0 003	0 0836	5 01660	0 003	16 14	2 08E-02
0 020	0 000	0 0837	5 02000	0 000	16 14	0 00E+00
0 023	0 000	0 0837	5 02330	0 000	16 14	0 00E+00
0 027	-0 003	0 0838	5 02660	0 003	16 14	2 08E-02
0 030	-0 003	0 0838	5 03000	0 003	16 14	1 53
0 033	0 000	0 0839	5 03330	0 000	16 14	0 00E+00
0 037	0 000	0 0839	5 03660	0 000	16 14	0 00E+00
0 040	-0 003	0 0840	5 04000	0 003	16 14	2 08E-02
0 043	0 000	0 0841	5 04330	0 000	16 14	1 53
0 047	-0 003	0 0841	5 04660	0 003	16 14	2 08E-02
0 050	-0 003	0 0842	5 05000	0 003	16 14	1 53
0 053	0 000	0 0842	5 05330	0 000	16 14	0 00E+00
0 057	-0 003	0 0843	5 05660	0 003	16 14	2 08E-02
0 060	-0 003	0 0843	5 06000	0 003	16 14	1 53
0 063	-0 003	0 0844	5 06330	0 003	16 14	2 08E-02
0 067	-0 003	0 0844	5 06660	0 003	16 14	1 53
0 070	-0 003	0 0845	5 07000	0 003	16 14	2 08E-02
0 073	-0 003	0 0846	5 07330	0 003	16 14	1 53
0 077	0 000	0 0846	5 07660	0 000	16 14	0 00E+00
0 080	-0 003	0 0847	5 08000	0 003	16 14	2 08E-02
0 083	0 000	0 0847	5 08330	0 000	16 14	1 53
0 087	0 000	0 0848	5 08660	0 000	16 14	0 00E+00
0 090	0 000	0 0848	5 09000	0 000	16 14	1 51
0 093	0 000	0 0849	5 09330	0 000	16 14	0 00E+00
0 097	0 000	0 0849	5 09660	0 000	16 14	1 51
0 100	-0 003	0 0850	5 10000	0 003	16 14	2 08E-02
0 103	-0 003	0 0851	5 10330	0 003	16 14	1 53
0 107	0 000	0 0851	5 10660	0 000	16 14	0 00E+00
0 110	0 000	0 0852	5 11000	0 000	16 14	0 00E+00
0 113	0 000	0 0852	5 11330	0 000	16 14	1 51
0 117	0 000	0 0853	5 11660	0 000	16 14	0 00E+00
0 120	0 000	0 0853	5 12000	0 000	16 14	1 51
0 123	0 000	0 0854	5 12330	0 000	16 14	0 00E+00

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)		
0 127		0 000	0 0854	5 12660	0 000	16 14	0 00E+00	1 51
0 130		0 000	0 0855	5 13000	0 000	16 14	0 00E+00	1 51
0 133		0 000	0 0856	5 13330	0 000	16 14	0 00E+00	1 51
0 137		0 000	0 0856	5 13660	0 000	16 14	0 00E+00	1 51
0 140		0 000	0 0857	5 14000	0 000	16 14	0 00E+00	1 51
0 143		0 000	0 0857	5 14330	0 000	16 14	0 00E+00	1 51
0 147		0 000	0 0858	5 14660	0 000	16 14	0 00E+00	1 51
0 150		0 000	0 0858	5 15000	0 000	16 14	0 00E+00	1 51
0 153		0 000	0 0859	5 15330	0 000	16 14	0 00E+00	1 51
0 157		0 000	0 0859	5 15660	0 000	16 14	0 00E+00	1 51
0 160		0 000	0 0860	5 16000	0 000	16 14	0 00E+00	1 51
0 163		0 000	0 0861	5 16330	0 000	16 14	0 00E+00	1 51
0 167		0 000	0 0861	5 16660	0 000	16 14	0 00E+00	1 51
0 170		0 000	0 0862	5 17000	0 000	16 14	0 00E+00	1 51
0 173	-0 003		0 0862	5 17330	0 003	16 14	2 08E-02	1 53
0 177		0 000	0 0863	5 17660	0 000	16 14	0 00E+00	1 51
0 180		0 000	0 0863	5 18000	0 000	16 14	0 00E+00	1 51
0 183	-0 003		0 0864	5 18330	0 003	16 14	2 08E-02	1 53
0 187		0 000	0 0864	5 18660	0 000	16 14	0 00E+00	1 51
0 190	-0 003		0 0865	5 19000	0 003	16 14	2 08E-02	1 53
0 193		0 000	0 0866	5 19330	0 000	16 14	0 00E+00	1 51
0 197		0 000	0 0866	5 19660	0 000	16 14	0 00E+00	1 51
0 200		0 000	0 0867	5 20000	0 000	16 14	0 00E+00	1 51
0 203		0 000	0 0867	5 20330	0 000	16 14	0 00E+00	1 51
0 207		0 000	0 0868	5 20660	0 000	16 14	0 00E+00	1 51
0 210		0 000	0 0868	5 21000	0 000	16 14	0 00E+00	1 51
0 213	-0 003		0 0869	5 21330	0 003	16 14	2 08E-02	1 53
0 217	-0 003		0 0869	5 21660	0 003	16 14	2 08E-02	1 53
0 220		0 000	0 0870	5 22000	0 000	16 14	0 00E+00	1 51
0 223		0 000	0 0871	5 22330	0 000	16 14	0 00E+00	1 51
0 227	-0 003		0 0871	5 22660	0 003	16 14	2 08E-02	1 53
0 230		0 000	0 0872	5 23000	0 000	16 14	0 00E+00	1 51
0 233		0 000	0 0872	5 23330	0 000	16 14	0 00E+00	1 51
0 237		0 000	0 0873	5 23660	0 000	16 14	0 00E+00	1 51
0 240		0 000	0 0873	5 24000	0 000	16 14	0 00E+00	1 51
0 243		0 000	0 0874	5 24330	0 000	16 14	0 00E+00	1 51
0 247		0 000	0 0874	5 24660	0 000	16 14	0 00E+00	1 51
0 250		0 000	0 0875	5 25000	0 000	16 14	0 00E+00	1 51
0 253	-0 003		0 0876	5 25330	0 003	16 14	2 08E-02	1 53
0 257		0 000	0 0876	5 25660	0 000	16 14	0 00E+00	1 51
0 260	-0 003		0 0877	5 26000	0 003	16 14	2 08E-02	1 53
0 263		0 000	0 0877	5 26330	0 000	16 14	0 00E+00	1 51
0 267	-0 003		0 0878	5 26660	0 003	16 14	2 08E-02	1 53
0 270		0 000	0 0878	5 27000	0 000	16 14	0 00E+00	1 51
0 273		0 000	0 0879	5 27330	0 000	16 14	0 00E+00	1 51
0 277	-0 003		0 0879	5 27660	0 003	16 14	2 08E-02	1 53
0 280		0 000	0 0880	5 28000	0 000	16 14	0 00E+00	1 51
0 283	-0 003		0 0881	5 28330	0 003	16 14	2 08E-02	1 53
0 287		0 000	0 0881	5 28660	0 000	16 14	0 00E+00	1 51
0 290	-0 003		0 0882	5 29000	0 003	16 14	2 08E-02	1 53
0 293		0 000	0 0882	5 29330	0 000	16 14	0 00E+00	1 51
0 297		0 000	0 0883	5 29660	0 000	16 14	0 00E+00	1 51
0 300		0 000	0 0883	5 30000	0 000	16 14	0 00E+00	1 51
0 303		0 000	0 0884	5 30330	0 000	16 14	0 00E+00	1 51
0 307		0 000	0 0884	5 30660	0 000	16 14	0 00E+00	1 51
0 310		0 000	0 0885	5 31000	0 000	16 14	0 00E+00	1 51
0 313		0 000	0 0886	5 31330	0 000	16 14	0 00E+00	1 51
0 317		0 000	0 0886	5 31660	0 000	16 14	0 00E+00	1 51
0 320		0 000	0 0887	5 32000	0 000	16 14	0 00E+00	1 51
0 323		0 000	0 0887	5 32330	0 000	16 14	0 00E+00	1 51
0 327		0 000	0 0888	5 32660	0 000	16 14	0 00E+00	1 51
0 330		0 000	0 0888	5 33000	0 000	16 14	0 00E+00	1 51
0 333		0 000	0 0889	5 33330	0 000	16 14	0 00E+00	1 51
0 350		0 000	0 0892	5 35000	0 000	16 14	0 00E+00	1 51
0 367		0 000	0 0894	5 36660	0 000	16 14	0 00E+00	1 51
0 383		0 000	0 0897	5 38330	0 000	16 14	0 00E+00	1 51
0 400		0 000	0 0900	5 40000	0 000	16 14	0 00E+00	1 51
0 417		0 000	0 0903	5 41660	0 000	16 14	0 00E+00	1 51
0 433		0 000	0 0906	5 43330	0 000	16 14	0 00E+00	1 51
0 450		0 000	0 0908	5 45000	0 000	16 14	0 00E+00	1 51
0 467		0 000	0 0911	5 46660	0 000	16 14	0 00E+00	1 51
0 483		0 000	0 0914	5 48330	0 000	16 14	0 00E+00	1 51

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
0 500	0 000	0 0917	5 50000	0 000	16 14		0 00E+00	1 51
0 517	0 000	0 0919	5 51660	0 000	16 14		0 00E+00	1 51
0 533	0 000	0 0922	5 53330	0 000	16 14		0 00E+00	1 51
0 550	0 000	0 0925	5 55000	0 000	16 14		0 00E+00	1 51
0 567	0 003	0 0928	5 56660	-0 003	16 14		-2 08E-02	1 49
0 583	0 000	0 0931	5 58330	0 000	16 14		0 00E+00	1 51
0 600	0 003	0 0933	5 60000	-0 003	16 14		-2 08E-02	1 49
0 617	0 000	0 0936	5 61660	0 000	16 14		0 00E+00	1 51
0 633	0 003	0 0939	5 63330	-0 003	16 14		-2 08E-02	1 49
0 650	0 003	0 0942	5 65000	-0 003	16 14		-2 08E-02	1 49
0 667	0 000	0 0944	5 66660	0 000	16 14		0 00E+00	1 51
0 683	0 000	0 0947	5 68330	0 000	16 14		0 00E+00	1 51
0 700	0 003	0 0950	5 70000	-0 003	16 14		-2 08E-02	1 49
0 717	0 003	0 0953	5 71660	-0 003	16 14		-2 08E-02	1 49
0 733	0 003	0 0956	5 73330	-0 003	16 14		-2 08E-02	1 49
0 750	0 000	0 0958	5 75000	0 000	16 14		0 00E+00	1 51
0 767	0 003	0 0961	5 76660	-0 003	16 14		-2 08E-02	1 49
0 783	0 000	0 0964	5 78330	0 000	16 14		0 00E+00	1 51
0 800	0 000	0 0967	5 80000	0 000	16 14		0 00E+00	1 51
0 817	0 003	0 0969	5 81660	-0 003	16 14		-2 08E-02	1 49
0 833	0 003	0 0972	5 83330	-0 003	16 14		-2 08E-02	1 49
0 850	0 003	0 0975	5 85000	-0 003	16 14		-2 08E-02	1 49
0 867	0 003	0 0978	5 86660	-0 003	16 14		-2 08E-02	1 49
0 883	0 003	0 0981	5 88330	-0 003	16 14		-2 08E-02	1 49
0 900	0 003	0 0983	5 90000	-0 003	16 14		2 08E-02	1 49
0 917	0 003	0 0986	5 91660	-0 003	16 14		-2 08E-02	1 49
0 933	0 003	0 0989	5 93330	-0 003	16 14		-2 08E-02	1 49
0 950	0 003	0 0992	5 95000	-0 003	16 14		-2 08E-02	1 49
0 967	0 003	0 0994	5 96660	-0 003	16 14		-2 08E-02	1 49
0 983	0 003	0 0997	5 98330	-0 003	16 14		-2 08E-02	1 49
1 000	0 003	0 1000	6 00000	-0 003	16 14		-2 08E-02	1 49
1 200	0 003	0 1033	6 20000	-0 003	16 14		-2 08E-02	1 49
1 400	0 003	0 1067	6 40000	-0 003	16 14		-2 08E-02	1 49
1 600	0 003	0 1100	6 60000	-0 003	16 14		-2 08E-02	1 49
1 800	0 003	0 1133	6 80000	-0 003	16 14		-2 08E-02	1 49
2 000	0 003	0 1167	7 00000	-0 003	16 14		-2 08E-02	1 49
2 200	0 003	0 1200	7 20000	-0 003	16 14		-2 08E-02	1 49
2 400	0 003	0 1233	7 40000	-0 003	16 14		-2 08E-02	1 49
2 600	0 003	0 1267	7 60000	-0 003	16 14		2 08E-02	1 49
2 800	0 003	0 1300	7 80000	-0 003	16 14		-2 08E-02	1 49
3 000	0 003	0 1333	8 00000	-0 003	16 14		2 08E-02	1 49
3 200	0 003	0 1367	8 20000	-0 003	16 14		-2 08E-02	1 49
3 400	0 003	0 1400	8 40000	-0 003	16 14		-2 08E-02	1 49
3 600	0 003	0 1433	8 60000	-0 003	16 14		-2 08E-02	1 49
3 800	0 003	0 1467	8 80000	-0 003	16 14		-2 08E-02	1 49
4 000	0 003	0 1500	9 00000	-0 003	16 14		-2 08E-02	1 49
4 200	0 006	0 1533	9 20000	-0 006	16 15		-4 17E-02	1 47
4 400	0 003	0 1567	9 40000	-0 003	16 14		-2 08E-02	1 49
4 600	0 006	0 1600	9 60000	-0 006	16 15		-4 17E-02	1 47
4 800	0 006	0 1633	9 80000	-0 006	16 15		-4 17E-02	1 47
5 000	0 003	0 1667	10 00000	-0 003	16 14		-2 08E-02	1 49
5 200	0 006	0 1700	10 20000	-0 006	16 15		-4 17E-02	1 47
5 400	0 006	0 1733	10 40000	-0 006	16 15		-4 17E-02	1 47
5 600	0 006	0 1767	10 60000	-0 006	16 15		-4 17E-02	1 47
5 800	0 006	0 1800	10 80000	-0 006	16 15		-4 17E-02	1 47
6 000	0 006	0 1833	11 00000	-0 006	16 15		-4 17E-02	1 47
6 200	0 006	0 1867	11 20000	-0 006	16 15		-4 17E-02	1 47
6 400	0 003	0 1900	11 40000	-0 003	16 14		-2 08E-02	1 49
6 600	0 003	0 1933	11 60000	-0 003	16 14		2 08E-02	1 49
6 800	0 006	0 1967	11 80000	-0 006	16 15		-4 17E-02	1 47
7 000	0 006	0 2000	12 00000	-0 006	16 15		-4 17E-02	1 47
7 200	0 006	0 2033	12 20000	-0 006	16 15		-4 17E-02	1 47
7 400	0 006	0 2067	12 40000	-0 006	16 15		-4 17E-02	1 47
7 600	0 006	0 2100	12 60000	-0 006	16 15		-4 17E-02	1 47
7 800	0 006	0 2133	12 80000	-0 006	16 15		-4 17E-02	1 47
8 000	0 006	0 2167	13 00000	-0 006	16 15		-4 17E-02	1 47
8 200	0 006	0 2200	13 20000	-0 006	16 15		-4 17E-02	1 47
8 400	0 009	0 2233	13 40000	-0 009	16 15		-6 25E-02	1 45
8 600	0 006	0 2267	13 60000	-0 006	16 15		-4 17E-02	1 47
8 800	0 006	0 2300	13 80000	-0 006	16 15		-4 17E-02	1 47
9 000	0 006	0 2333	14 00000	-0 006	16 15		-4 17E-02	1 47
9 200	0 006	0 2367	14 20000	-0 006	16 15		-4 17E-02	1 47

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
9 400	0 006	0 2400	14 40000	-0 006	16 15	-4 17E-02	1 47	
9 600	0 006	0 2433	14 60000	-0 006	16 15	-4 17E-02	1 47	
9 800	0 006	0 2467	14 80000	-0 006	16 15	-4 17E-02	1 47	
10 000	0 006	0 2500	15 00000	-0 006	16 15	-4 17E-02	1 47	
12 000	0 009	0 2833	17 00000	-0 009	16 15	-6 25E-02	1 45	
14 000	0 012	0 3167	19 00000	-0 012	16 15	-8 33E-02	1 43	
16 000	0 012	0 3500	21 00000	-0 012	16 15	-8 33E-02	1 43	
18 000	0 012	0 3833	23 00000	-0 012	16 15	-8 33E-02	1 43	
20 000	0 015	0 4167	25 00000	-0 015	16 15	-1 04E-01	1 41	
22 000	0 015	0 4500	27 00000	-0 015	16 15	-1 04E-01	1 41	
24 000	0 015	0 4833	29 00000	-0 015	16 15	-1 04E-01	1 41	
26 000	0 015	0 5167	31 00000	0 015	16 15	-1 04E-01	1 41	
28 000	0 015	0 5500	33 00000	-0 015	16 15	-1 04E-01	1 41	
30 000	0 015	0 5833	35 00000	-0 015	16 15	-1 04E-01	1 41	
32 000	0 019	0 6167	37 00000	-0 019	16 16	-1 32E-01	1 38	
34 000	0 019	0 6500	39 00000	-0 019	16 16	-1 32E-01	1 38	
36 000	0 019	0 6833	41 00000	-0 019	16 16	-1 32E-01	1 38	
38 000	0 015	0 7167	43 00000	-0 015	16 15	-1 04E-01	1 41	
40 000	0 019	0 7500	45 00000	-0 019	16 16	-1 32E-01	1 38	
42 000	0 019	0 7833	47 00000	-0 019	16 16	-1 32E-01	1 38	
44 000	0 019	0 8167	49 00000	-0 019	16 16	-1 32E-01	1 38	
46 000	0 019	0 8500	51 00000	-0 019	16 16	-1 32E-01	1 38	
48 000	0 019	0 8833	53 00000	-0 019	16 16	-1 32E-01	1 38	
50 000	0 019	0 9167	55 00000	-0 019	16 16	-1 32E-01	1 38	
52 000	0 019	0 9500	57 00000	-0 019	16 16	-1 32E-01	1 38	
54 000	0 019	0 9833	59 00000	-0 019	16 16	-1 32E-01	1 38	
56 000	0 019	1 0167	61 00000	-0 019	16 16	-1 32E-01	1 38	
58 000	0 022	1 0500	63 00000	-0 022	16 16	-1 53E-01	1 36	
60 000	0 022	1 0833	65 00000	-0 022	16 16	-1 53E-01	1 36	
62 000	0 022	1 1167	67 00000	-0 022	16 16	-1 53E-01	1 36	
64 000	0 022	1 1500	69 00000	-0 022	16 16	-1 53E-01	1 36	
66 000	0 003	1 1833	71 00000	-0 003	16 14	-2 08E-02	1 49	
68 000	-0 006	1 2167	73 00000	0 006	16 13	4 17E-02	1 56	
70 000	-0 012	1 2500	75 00000	0 012	16 13	8 33E-02	1 60	
72 000	-0 022	1 2833	77 00000	0 022	16 12	1 53E-01	1 67	
74 000	-0 028	1 3167	79 00000	0 028	16 11	1 94E-01	1 71	
76 000	-0 038	1 3500	81 00000	0 038	16 10	2 64E-01	1 78	
78 000	-0 044	1 3833	83 00000	0 044	16 10	3 05E-01	1 82	
80 000	-0 053	1 4167	85 00000	0 053	16 09	3 68E-01	1 88	
82 000	-0 057	1 4500	87 00000	0 057	16 08	3 96E-01	1 91	
84 000	-0 060	1 4833	89 00000	0 060	16 08	4 17E-01	1 93	
86 000	-0 063	1 5167	91 00000	0 063	16 08	4 37E-01	1 95	
88 000	-0 066	1 5500	93 00000	0 066	16 07	4 58E-01	1 97	
90 000	-0 069	1 5833	95 00000	0 069	16 07	4 79E-01	1 99	
92 000	-0 069	1 6167	97 00000	0 069	16 07	4 79E-01	1 99	
94 000	-0 072	1 6500	99 00000	0 072	16 07	5 00E-01	2 01	
96 000	-0 072	1 6833	101 00000	0 072	16 07	5 00E-01	2 01	
98 000	-0 072	1 7167	103 00000	0 072	16 07	5 00E-01	2 01	
100 000	-0 076	1 7500	105 00000	0 076	16 06	5 28E-01	2 04	
120 000	-0 110	2 0833	125 00000	0 110	16 03	7 64E-01	2 28	
140 000	-0 177	2 4167	145 00000	0 177	15 96	1 23E+00	2 74	
160 000	-0 221	2 7500	165 00000	0 221	15 92	1 53E+00	3 05	
180 000	-0 228	3 0833	185 00000	0 228	15 91	1 58E+00	3 10	
200 000	-0 250	3 4167	205 00000	0 250	15 89	1 74E+00	3 25	
220 000	-0 253	3 7500	225 00000	0 253	15 89	1 76E+00	3 27	
240 000	-0 262	4 0833	245 00000	0 262	15 88	1 82E+00	3 33	
260 000	-0 281	4 4167	265 00000	0 281	15 86	1 95E+00	3 46	
280 000	-0 281	4 7500	285 00000	0 281	15 86	1 95E+00	3 46	
300 000	-0 285	5 0833	305 00000	0 285	15 85	1 98E+00	3 49	
320 000	-0 297	5 4167	325 00000	0 297	15 84	2 06E+00	3 58	
340 000	-0 313	5 7500	345 00000	0 313	15 83	2 17E+00	3 69	
360 000	-0 313	6 0833	365 00000	0 313	15 83	2 17E+00	3 69	
380 000	-0 354	6 4167	385 00000	0 354	15 79	2 46E+00	3 97	
400 000	-0 399	6 7500	405 00000	0 399	15 74	2 77E+00	4 28	
420 000	-0 427	7 0833	425 00000	0 427	15 71	2 96E+00	4 48	
440 000	-0 465	7 4167	445 00000	0 465	15 67	3 23E+00	4 74	
460 000	-0 487	7 7500	465 00000	0 487	15 65	3 38E+00	4 89	
480 000	-0 500	8 0833	485 00000	0 500	15 64	3 47E+00	4 99	
500 000	-0 519	8 4167	505 00000	0 519	15 62	3 60E+00	5 12	
520 000	-0 532	8 7500	525 00000	0 532	15 61	3 69E+00	5 21	
540 000	-0 554	9 0833	545 00000	0 554	15 59	3 85E+00	5 36	
560 000	-0 567	9 4167	565 00000	0 567	15 57	3 94E+00	5 45	

Input data						Cumulative	Volume of	
Transducer Elapsed Time	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
580 000	-0 601	9 7500	585 00000	0 601	15 54		4 17E+00	5 69
600 000	-0 636	10 0833	605 00000	0 636	15 50		4 42E+00	5 93
620 000	-0 668	10 4167	625 00000	0 668	15 47		4 64E+00	6 15
640 000	-0 684	10 7500	645 00000	0 684	15 46		4 75E+00	6 26
660 000	-0 690	11 0833	665 00000	0 690	15 45		4 79E+00	6 30
680 000	-0 712	11 4167	685 00000	0 712	15 43		4 94E+00	6 46
700 000	-0 731	11 7500	705 00000	0 731	15 41		5 08E+00	6 59
720 000	-0 747	12 0833	725 00000	0 747	15 39		5 19E+00	6 70
740 000	-0 776	12 4167	745 00000	0 776	15 36		5 39E+00	6 90
760 000	-0 801	12 7500	765 00000	0 801	15 34		5 56E+00	7 07
780 000	-0 820	13 0833	785 00000	0 820	15 32		5 69E+00	7 21
800 000	-0 842	13 4167	805 00000	0 842	15 30		5 85E+00	7 36
820 000	-0 861	13 7500	825 00000	0 861	15 28		5 98E+00	7 49
840 000	-0 880	14 0833	845 00000	0 880	15 26		6 11E+00	7 62
860 000	-0 899	14 4167	865 00000	0 899	15 24		6 24E+00	7 76
880 000	-0 918	14 7500	885 00000	0 918	15 22		6 37E+00	7 89
900 000	-0 931	15 0833	905 00000	0 931	15 21		6 46E+00	7 98
920 000	-0 937	15 4167	925 00000	0 937	15 20		6 51E+00	8 02
940 000	-0 944	15 7500	945 00000	0 944	15 20		6 55E+00	8 07
960 000	-0 956	16 0833	965 00000	0 956	15 18		6 64E+00	8 15
980 000	-0 966	16 4167	985 00000	0 966	15 17		6 71E+00	8 22
1000 000	-0 978	16 7500	1005 00000	0 978	15 16		6 79E+00	8 30
1200 000	-1 105	20 0833	1205 00000	1 105	15 03		7 67E+00	9 19
1400 000	-1 226	23 4167	1405 00000	1 226	14 91		8 51E+00	10 03
1600 000	-1 324	26 7500	1605 00000	1 324	14 82		9 19E+00	10 71
1800 000	-1 387	30 0833	1805 00000	1 387	14 75		9 63E+00	11 14
2000 000	-1 425	33 4167	2005 00000	1 425	14 71		9 89E+00	11 41
2200 000	-1 482	36 7500	2205 00000	1 482	14 66		1 03E+01	11 80
2400 000	-1 530	40 0833	2405 00000	1 530	14 61		1 06E+01	12 14
2600 000	-1 561	43 4167	2605 00000	1 561	14 58		1 08E+01	12 35
2800 000	-1 603	46 7500	2805 00000	1 603	14 54		1 11E+01	12 64
3000 000	-1 647	50 0833	3005 00000	1 647	14 49		1 14E+01	12 95
3200 000	-1 691	53 4167	3205 00000	1 691	14 45		1 17E+01	13 25
3400 000	-1 720	56 7500	3405 00000	1 720	14 42		1 19E+01	13 46
3600 000	-1 748	60 0833	3605 00000	1 748	14 39		1 21E+01	13 65
3800 000	-1 783	63 4167	3805 00000	1 783	14 36		1 24E+01	13 89
4000 000	-1 812	66 7500	4005 00000	1 812	14 33		1 26E+01	14 09
4200 000	-1 828	70 0833	4205 00000	1 828	14 31		1 27E+01	14 21
4400 000	-1 866	73 4167	4405 00000	1 866	14 27		1 30E+01	14 47
4600 000	-1 885	76 7500	4605 00000	1 885	14 25		1 31E+01	14 60
4800 000	-1 904	80 0833	4805 00000	1 904	14 24		1 32E+01	14 73
5000 000	-1 916	83 4167	5005 00000	1 916	14 22		1 33E+01	14 82
5200 000	-1 938	86 7500	5205 00000	1 938	14 20		1 35E+01	14 97
5400 000	-1 951	90 0833	5405 00000	1 951	14 19		1 35E+01	15 06
5600 000	-1 954	93 4167	5605 00000	1 954	14 19		1 36E+01	15 08
5800 000	-1 970	96 7500	5805 00000	1 970	14 17		1 37E+01	15 19
6000 000	-1 996	100 0833	6005 00000	1 996	14 14		1 39E+01	15 37
6200 000	-2 002	103 4167	6205 00000	2 002	14 14		1 39E+01	15 41
6400 000	-2 002	106 7500	6405 00000	2 002	14 14		1 39E+01	15 41
6600 000	-2 008	110 0833	6605 00000	2 008	14 13		1 39E+01	15 46
6800 000	-2 018	113 4167	6805 00000	2 018	14 12		1 40E+01	15 52
7000 000	-2 024	116 7500	7005 00000	2 024	14 12		1 41E+01	15 57
7200 000	2 030	120 0833	7205 00000	2 030	14 11		1 41E+01	15 61
7400 000	-2 037	123 4167	7405 00000	2 037	14 10		1 41E+01	15 66
7600 000	-2 049	126 7500	7605 00000	2 049	14 09		1 42E+01	15 74
7800 000	-2 049	130 0833	7805 00000	2 049	14 09		1 42E+01	15 74
8000 000	-2 053	133 4167	8005 00000	2 053	14 09		1 43E+01	15 77
8200 000	-2 062	136 7500	8205 00000	2 062	14 08		1 43E+01	15 83
8400 000	-2 056	140 0833	8405 00000	2 056	14 08		1 43E+01	15 79
8600 000	-2 068	143 4167	8605 00000	2 068	14 07		1 44E+01	15 87
8800 000	-2 084	146 7500	8805 00000	2 084	14 06		1 45E+01	15 98
9000 000	-2 094	150 0833	9005 00000	2 094	14 05		1 45E+01	16 05
9200 000	-2 097	153 4167	9205 00000	2 097	14 04		1 46E+01	16 07
9400 000	-2 100	156 7500	9405 00000	2 100	14 04		1 46E+01	16 09
9600 000	-2 106	160 0833	9605 00000	2 106	14 03		1 46E+01	16 14
9800 000	-2 106	163 4167	9805 00000	2 106	14 03		1 46E+01	16 14
10000 000	-2 113	166 7500	10005 00000	2 113	14 03		1 47E+01	16 18
11440 000	-2 141	190 7500	11445 00000	2 141	14 00		1 49E+01	16 38
12880 000	-2 179	214 7500	12885 00000	2 179	13 96		1 51E+01	16 64
14320 000	-2 211	238 7500	14325 00000	2 211	13 93		1 54E+01	16 86
15760 000	-2 233	262 7500	15765 00000	2 233	13 91		1 55E+01	17 02
17200 000	-2 268	286 7500	17205 00000	2 268	13 87		1 57E+01	17 26

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)	Inflow (liters)	water in well (liters)
18640 000	-2 312	310 7500	18645 00000	2 312	13 83	1 61E+01	17 57	
20080 000	-2 388	334 7500	20085 00000	2 388	13 75	1 66E+01	18 09	
21520 000	-2 401	358 7500	21525 00000	2 401	13 74	1 67E+01	18 18	
22960 000	-2 414	382 7500	22965 00000	2 414	13 73	1 68E+01	18 27	
24400 000	-2 420	406 7500	24405 00000	2 420	13 72	1 68E+01	18 32	
25840 000	-2 423	430 7500	25845 00000	2 423	13 72	1 68E+01	18 34	
27280 000	-2 430	454 7500	27285 00000	2 430	13 71	1 69E+01	18 39	
28720 000	-2 436	478 7500	28725 00000	2 436	13 70	1 69E+01	18 43	
30160 000	-2 439	502 7500	30165 00000	2 439	13 70	1 69E+01	18 45	

F 0683

Well No. 32591

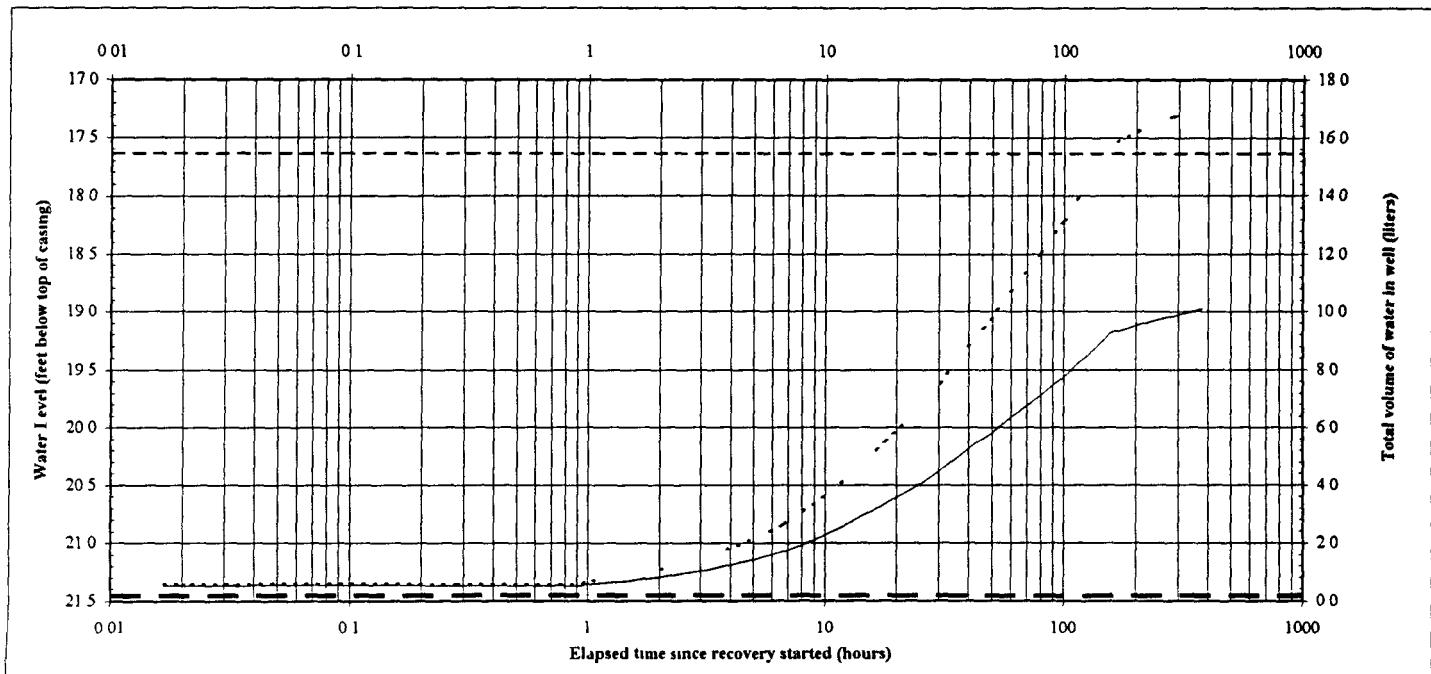
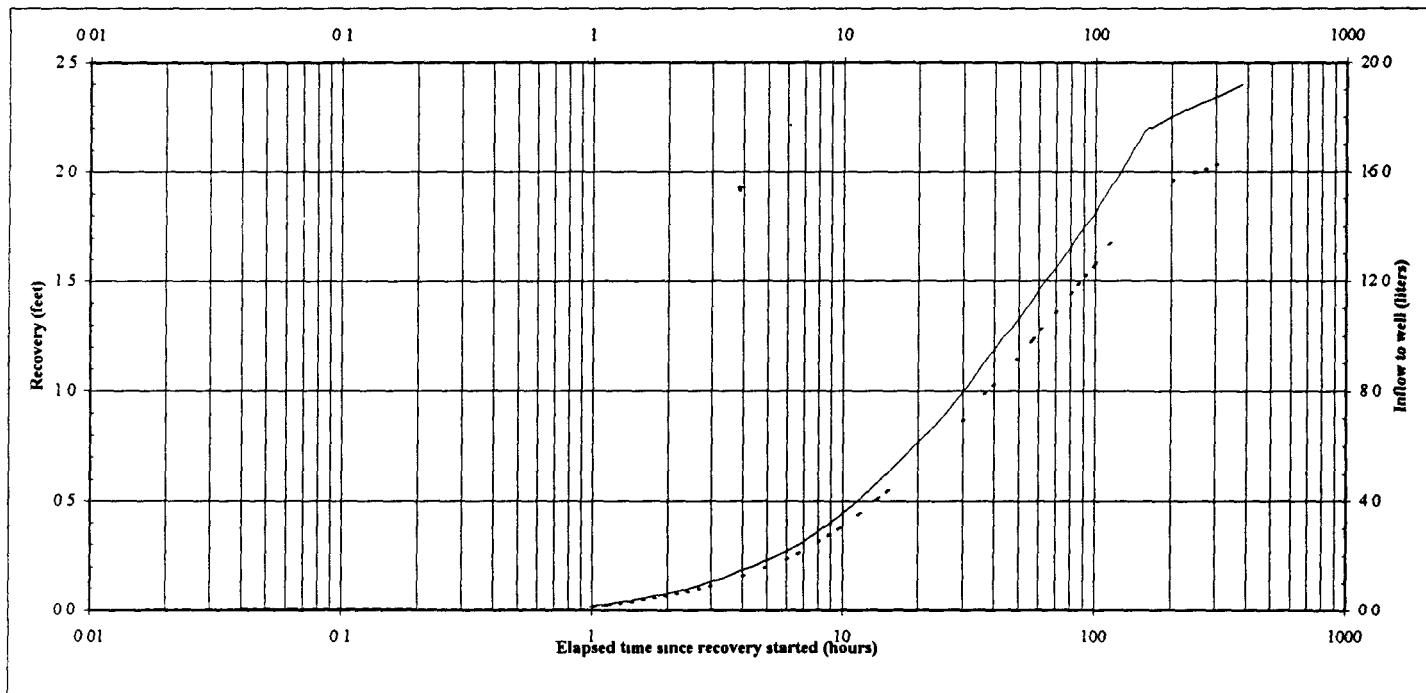
Measured recovery after sampling

Date: 20-Jul-94

3rd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

32591

Date Sampled

3rd quarter

20 Jul-94

	10.25		1 00	Minutes
Final bail time	10.25			
Set transducer time	10.25	Delay		
Static water level (pre sampling)	17.6	feet below top of casing		
Final water level (post-recovery)	19.0	feet below top of casing		
Last recorded water level	-2.4	feet below transducer		
Transducer reference depth	21.4	feet below top of casing		
Bottom of well	21.5	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	21.4	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.6	liters		
Well diameter	11.0	inches	0.917	feet
Well radius	5.5	inches	0.458	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	9.5	feet below top of casing		
			0.62	liters/foot
			6.94	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0 003	0 0167	1 00000	0 003	21 37	0 58
0 003	-0 003	0 0167	1 00330	0 003	21 37	2 08E-02
0 007	-0 003	0 0168	1 00660	0 003	21 37	2 08E-02
0 010	-0 003	0 0168	1 01000	0 003	21 37	2 08E-02
0 013	-0 003	0 0169	1 01330	0 003	21 37	2 08E-02
0 017	-0 003	0 0169	1 01660	0 003	21 37	2 08E-02
0 020	-0 003	0 0170	1 02000	0 003	21 37	2 08E-02
0 023	-0 003	0 0171	1 02330	0 003	21 37	2 08E-02
0 027	-0 003	0 0171	1 02660	0 003	21 37	2 08E-02
0 030	-0 003	0 0172	1 03000	0 003	21 37	2 08E-02
0 033	-0 003	0 0172	1 03330	0 003	21 37	2 08E-02
0 037	-0 003	0 0173	1 03660	0 003	21 37	2 08E-02
0 040	-0 003	0 0173	1 04000	0 003	21 37	2 08E-02
0 043	-0 003	0 0174	1 04330	0 003	21 37	2 08E-02
0 047	-0 003	0 0174	1 04660	0 003	21 37	2 08E-02
0 050	-0 003	0 0175	1 05000	0 003	21 37	2 08E-02
0 053	-0 003	0 0176	1 05330	0 003	21 37	2 08E-02
0 057	-0 003	0 0176	1 05660	0 003	21 37	2 08E-02
0 060	-0 003	0 0177	1 06000	0 003	21 37	2 08E-02
0 063	-0 003	0 0177	1 06330	0 003	21 37	2 08E-02
0 067	-0 003	0 0178	1 06660	0 003	21 37	2 08E-02
0 070	-0 003	0 0178	1 07000	0 003	21 37	2 08E-02
0 073	-0 003	0 0179	1 07330	0 003	21 37	2 08E-02
0 077	0 003	0 0179	1 07660	0 003	21 37	2 08E 02
0 080	-0 003	0 0180	1 08000	0 003	21 37	2 08E-02
0 083	-0 003	0 0181	1 08330	0 003	21 37	2 08E-02
0 087	-0 003	0 0181	1 08660	0 003	21 37	2 08E-02
0 090	-0 003	0 0182	1 09000	0 003	21 37	2 08E-02
0 093	-0 003	0 0182	1 09330	0 003	21 37	2 08E-02
0 097	-0 003	0 0183	1 09660	0 003	21 37	2 08E 02
0 100	-0 003	0 0183	1 10000	0 003	21 37	2 08E-02
0 103	-0 003	0 0184	1 10330	0 003	21 37	2 08E-02
0 107	-0 003	0 0184	1 10660	0 003	21 37	2 08E 02
0 110	0 003	0 0185	1 11000	0 003	21 37	2 08E-02
0 113	0 003	0 0186	1 11330	0 003	21 37	2 08E-02
0 117	-0 003	0 0186	1 11660	0 003	21 37	2 08E 02
0 120	-0 003	0 0187	1 12000	0 003	21 37	2 08E-02
0 123	-0 003	0 0187	1 12330	0 003	21 37	2 08E-02

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-0 003	0 0188	1 12660	0 003	21 37	2 08E-02	0 58	
0 130	0 003	0 0188	1 13000	0 003	21 37	2 08E-02	0 58	
0 133	-0 003	0 0189	1 13330	0 003	21 37	2 08E-02	0 58	
0 137	-0 003	0 0189	1 13660	0 003	21 37	2 08E-02	0 58	
0 140	-0 003	0 0190	1 14000	0 003	21 37	2 08E-02	0 58	
0 143	-0 003	0 0191	1 14330	0 003	21 37	2 08E-02	0 58	
0 147	-0 003	0 0191	1 14660	0 003	21 37	2 08E-02	0 58	
0 150	-0 003	0 0192	1 15000	0 003	21 37	2 08E-02	0 58	
0 153	0 003	0 0192	1 15330	0 003	21 37	2 08E-02	0 58	
0 157	-0 003	0 0193	1 15660	0 003	21 37	2 08E-02	0 58	
0 160	-0 003	0 0193	1 16000	0 003	21 37	2 08E-02	0 58	
0 163	-0 003	0 0194	1 16330	0 003	21 37	2 08E-02	0 58	
0 167	0 003	0 0194	1 16660	0 003	21 37	2 08E-02	0 58	
0 170	-0 003	0 0195	1 17000	0 003	21 37	2 08E-02	0 58	
0 173	-0 003	0 0196	1 17330	0 003	21 37	2 08E-02	0 58	
0 177	0 003	0 0196	1 17660	0 003	21 37	2 08E-02	0 58	
0 180	-0 003	0 0197	1 18000	0 003	21 37	2 08E-02	0 58	
0 183	-0 003	0 0197	1 18330	0 003	21 37	2 08E-02	0 58	
0 187	-0 006	0 0198	1 18660	0 006	21 37	4 17E-02	0 60	
0 190	0 003	0 0198	1 19000	0 003	21 37	2 08E-02	0 58	
0 193	-0 006	0 0199	1 19330	0 006	21 37	4 17E-02	0 60	
0 197	-0 003	0 0199	1 19660	0 003	21 37	2 08E-02	0 58	
0 200	0 003	0 0200	1 20000	0 003	21 37	2 08E-02	0 58	
0 203	-0 003	0 0201	1 20330	0 003	21 37	2 08E-02	0 58	
0 207	0 003	0 0201	1 20660	0 003	21 37	2 08E-02	0 58	
0 210	0 006	0 0202	1 21000	0 006	21 37	4 17E-02	0 60	
0 213	0 000	0 0202	1 21330	0 000	21 37	0 00E+00	0 56	
0 217	0 006	0 0203	1 21660	0 006	21 37	4 17E-02	0 60	
0 220	-0 003	0 0203	1 22000	0 003	21 37	2 08E-02	0 58	
0 223	0 003	0 0204	1 22330	0 003	21 37	2 08E-02	0 58	
0 227	0 003	0 0204	1 22660	0 003	21 37	2 08E-02	0 58	
0 230	-0 003	0 0205	1 23000	0 003	21 37	2 08E-02	0 58	
0 233	-0 003	0 0206	1 23330	0 003	21 37	2 08E-02	0 58	
0 237	-0 006	0 0206	1 23660	0 006	21 37	4 17E-02	0 60	
0 240	-0 006	0 0207	1 24000	0 006	21 37	4 17E-02	0 60	
0 243	-0 003	0 0207	1 24330	0 003	21 37	2 08E-02	0 58	
0 247	-0 003	0 0208	1 24660	0 003	21 37	2 08E-02	0 58	
0 250	-0 003	0 0208	1 25000	0 003	21 37	2 08E-02	0 58	
0 253	-0 003	0 0209	1 25330	0 003	21 37	2 08E-02	0 58	
0 257	-0 003	0 0209	1 25660	0 003	21 37	2 08E-02	0 58	
0 260	-0 003	0 0210	1 26000	0 003	21 37	2 08E-02	0 58	
0 263	-0 003	0 0211	1 26330	0 003	21 37	2 08E-02	0 58	
0 267	0 003	0 0211	1 26660	0 003	21 37	2 08E-02	0 58	
0 270	0 003	0 0212	1 27000	0 003	21 37	2 08E-02	0 58	
0 273	-0 003	0 0212	1 27330	0 003	21 37	2 08E-02	0 58	
0 277	0 003	0 0213	1 27660	0 003	21 37	2 08E-02	0 58	
0 280	-0 003	0 0213	1 28000	0 003	21 37	2 08E-02	0 58	
0 283	-0 003	0 0214	1 28330	0 003	21 37	2 08E-02	0 58	
0 287	0 003	0 0214	1 28660	0 003	21 37	2 08E-02	0 58	
0 290	-0 006	0 0215	1 29000	0 006	21 37	4 17E-02	0 60	
0 293	-0 003	0 0216	1 29330	0 003	21 37	2 08E-02	0 58	
0 297	-0 003	0 0216	1 29660	0 003	21 37	2 08E-02	0 58	
0 300	-0 003	0 0217	1 30000	0 003	21 37	2 08E-02	0 58	
0 303	-0 003	0 0217	1 30330	0 003	21 37	2 08E-02	0 58	
0 307	-0 003	0 0218	1 30660	0 003	21 37	2 08E-02	0 58	
0 310	0 003	0 0218	1 31000	0 003	21 37	2 08E-02	0 58	
0 313	0 000	0 0219	1 31330	0 000	21 37	0 00E+00	0 56	
0 317	0 003	0 0219	1 31660	0 003	21 37	2 08E-02	0 58	
0 320	0 003	0 0220	1 32000	0 003	21 37	2 08E-02	0 58	
0 323	-0 003	0 0221	1 32330	0 003	21 37	2 08E-02	0 58	
0 327	-0 003	0 0221	1 32660	0 003	21 37	2 08E-02	0 58	
0 330	-0 003	0 0222	1 33000	0 003	21 37	2 08E-02	0 58	
0 333	0 003	0 0222	1 33330	0 003	21 37	2 08E-02	0 58	
0 350	-0 003	0 0225	1 35000	0 003	21 37	2 08E-02	0 58	
0 367	0 003	0 0228	1 36660	0 003	21 37	2 08E-02	0 58	
0 383	0 003	0 0231	1 38330	0 003	21 37	2 08E-02	0 58	
0 400	-0 003	0 0233	1 40000	0 003	21 37	2 08E-02	0 58	
0 417	-0 003	0 0236	1 41660	0 003	21 37	2 08E-02	0 58	
0 433	0 003	0 0239	1 43330	0 003	21 37	2 08E-02	0 58	
0 450	0 003	0 0242	1 45000	0 003	21 37	2 08E-02	0 58	
0 467	-0 003	0 0244	1 46660	0 003	21 37	2 08E-02	0 58	
0 483	-0 003	0 0247	1 48330	0 003	21 37	2 08E-02	0 58	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 500	-0 003	0 0250	1 50000	0 003	21 37	2 08E-02	0 58	
0 517	-0 003	0 0253	1 51660	0 003	21 37	2 08E-02	0 58	
0 533	-0 003	0 0256	1 53330	0 003	21 37	2 08E-02	0 58	
0 550	-0 003	0 0258	1 55000	0 003	21 37	2 08E-02	0 58	
0 567	-0 003	0 0261	1 56660	0 003	21 37	2 08E-02	0 58	
0 583	-0 003	0 0264	1 58330	0 003	21 37	2 08E-02	0 58	
0 600	-0 003	0 0267	1 60000	0 003	21 37	2 08E-02	0 58	
0 617	-0 003	0 0269	1 61660	0 003	21 37	2 08E-02	0 58	
0 633	-0 003	0 0272	1 63330	0 003	21 37	2 08E-02	0 58	
0 650	-0 003	0 0275	1 65000	0 003	21 37	2 08E-02	0 58	
0 667	-0 003	0 0278	1 66660	0 003	21 37	2 08E-02	0 58	
0 683	-0 003	0 0281	1 68330	0 003	21 37	2 08E-02	0 58	
0 700	-0 003	0 0283	1 70000	0 003	21 37	2 08E-02	0 58	
0 717	-0 003	0 0286	1 71660	0 003	21 37	2 08E-02	0 58	
0 733	-0 003	0 0289	1 73330	0 003	21 37	2 08E-02	0 58	
0 750	-0 003	0 0292	1 75000	0 003	21 37	2 08E-02	0 58	
0 767	-0 003	0 0294	1 76660	0 003	21 37	2 08E-02	0 58	
0 783	0 003	0 0297	1 78330	0 003	21 37	2 08E-02	0 58	
0 800	-0 003	0 0300	1 80000	0 003	21 37	2 08E-02	0 58	
0 817	-0 003	0 0303	1 81660	0 003	21 37	2 08E-02	0 58	
0 833	-0 003	0 0306	1 83330	0 003	21 37	2 08E-02	0 58	
0 850	-0 003	0 0308	1 85000	0 003	21 37	2 08E-02	0 58	
0 867	-0 003	0 0311	1 86660	0 003	21 37	2 08E-02	0 58	
0 883	-0 003	0 0314	1 88330	0 003	21 37	2 08E-02	0 58	
0 900	0 003	0 0317	1 90000	0 003	21 37	2 08E-02	0 58	
0 917	-0 003	0 0319	1 91660	0 003	21 37	2 08E-02	0 58	
0 933	-0 003	0 0322	1 93330	0 003	21 37	2 08E-02	0 58	
0 950	-0 003	0 0325	1 95000	0 003	21 37	2 08E-02	0 58	
0 967	-0 003	0 0328	1 96660	0 003	21 37	2 08E-02	0 58	
0 983	0 006	0 0331	1 98330	0 006	21 37	4 17E-02	0 60	
1 000	0 003	0 0333	2 00000	0 003	21 37	2 08E-02	0 58	
1 200	-0 003	0 0367	2 20000	0 003	21 37	2 08E-02	0 58	
1 400	-0 006	0 0400	2 40000	0 006	21 37	4 17E-02	0 60	
1 600	-0 006	0 0433	2 60000	0 006	21 37	4 17E-02	0 60	
1 800	0 006	0 0467	2 80000	0 006	21 37	4 17E-02	0 60	
2 000	-0 006	0 0500	3 00000	0 006	21 37	4 17E-02	0 60	
2 200	-0 006	0 0533	3 20000	0 006	21 37	4 17E-02	0 60	
2 400	-0 006	0 0567	3 40000	0 006	21 37	4 17E-02	0 60	
2 600	-0 006	0 0600	3 60000	0 006	21 37	4 17E-02	0 60	
2 800	-0 006	0 0633	3 80000	0 006	21 37	4 17E-02	0 60	
3 000	-0 006	0 0667	4 00000	0 006	21 37	4 17E-02	0 60	
3 200	-0 006	0 0700	4 20000	0 006	21 37	4 17E-02	0 60	
3 400	-0 006	0 0733	4 40000	0 006	21 37	4 17E-02	0 60	
3 600	-0 006	0 0767	4 60000	0 006	21 37	4 17E-02	0 60	
3 800	-0 006	0 0800	4 80000	0 006	21 37	4 17E-02	0 60	
4 000	-0 006	0 0833	5 00000	0 006	21 37	4 17E-02	0 60	
4 200	0 006	0 0867	5 20000	0 006	21 37	4 17E-02	0 60	
4 400	-0 006	0 0900	5 40000	0 006	21 37	4 17E-02	0 60	
4 600	-0 006	0 0933	5 60000	0 006	21 37	4 17E-02	0 60	
4 800	-0 006	0 0967	5 80000	0 006	21 37	4 17E-02	0 60	
5 000	0 006	0 1000	6 00000	0 006	21 37	4 17E-02	0 60	
5 200	-0 006	0 1033	6 20000	0 006	21 37	4 17E-02	0 60	
5 400	-0 006	0 1067	6 40000	0 006	21 37	4 17E-02	0 60	
5 600	-0 006	0 1100	6 60000	0 006	21 37	4 17E-02	0 60	
5 800	0 006	0 1133	6 80000	0 006	21 37	4 17E-02	0 60	
6 000	-0 006	0 1167	7 00000	0 006	21 37	4 17E-02	0 60	
6 200	-0 006	0 1200	7 20000	0 006	21 37	4 17E-02	0 60	
6 400	-0 006	0 1233	7 40000	0 006	21 37	4 17E-02	0 60	
6 600	-0 006	0 1267	7 60000	0 006	21 37	4 17E-02	0 60	
6 800	-0 006	0 1300	7 80000	0 006	21 37	4 17E-02	0 60	
7 000	-0 006	0 1333	8 00000	0 006	21 37	4 17E-02	0 60	
7 200	0 006	0 1367	8 20000	0 006	21 37	4 17E-02	0 60	
7 400	-0 006	0 1400	8 40000	0 006	21 37	4 17E-02	0 60	
7 600	-0 006	0 1433	8 60000	0 006	21 37	4 17E-02	0 60	
7 800	-0 006	0 1467	8 80000	0 006	21 37	4 17E-02	0 60	
8 000	-0 006	0 1500	9 00000	0 006	21 37	4 17E-02	0 60	
8 200	-0 006	0 1533	9 20000	0 006	21 37	4 17E-02	0 60	
8 400	0 006	0 1567	9 40000	0 006	21 37	4 17E-02	0 60	
8 600	-0 006	0 1600	9 60000	0 006	21 37	4 17E-02	0 60	
8 800	-0 006	0 1633	9 80000	0 006	21 37	4 17E-02	0 60	
9 000	0 006	0 1667	10 00000	0 006	21 37	4 17E-02	0 60	
9 200	0 006	0 1700	10 20000	0 006	21 37	4 17E-02	0 60	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftslc)	Cumulative Inflow (liters)	Volume of water in well (liters)
	9 400	-0 006	0 1733	10 40000	0 006	21 37	4 17E-02	0 60
	9 600	0 006	0 1767	10 60000	0 006	21 37	4 17E-02	0 60
	9 800	0 006	0 1800	10 80000	0 006	21 37	4 17E-02	0 60
	10 000	-0 006	0 1833	11 00000	0 006	21 37	4 17E-02	0 60
	12 000	-0 003	0 2167	13 00000	0 003	21 37	2 08E-02	0 58
	14 000	-0 003	0 2500	15 00000	0 003	21 37	2 08E-02	0 58
	16 000	-0 003	0 2833	17 00000	0 003	21 37	2 08E-02	0 58
	18 000	-0 003	0 3167	19 00000	0 003	21 37	2 08E-02	0 58
	20 000	-0 003	0 3500	21 00000	0 003	21 37	2 08E-02	0 58
	22 000	-0 003	0 3833	23 00000	0 003	21 37	2 08E-02	0 58
	24 000	-0 003	0 4167	25 00000	0 003	21 37	2 08E-02	0 58
	26 000	-0 003	0 4500	27 00000	0 003	21 37	2 08E-02	0 58
	28 000	-0 003	0 4833	29 00000	0 003	21 37	2 08E-02	0 58
	30 000	-0 003	0 5167	31 00000	0 003	21 37	2 08E-02	0 58
	32 000	-0 003	0 5500	33 00000	0 003	21 37	2 08E-02	0 58
	34 000	-0 003	0 5833	35 00000	0 003	21 37	2 08E-02	0 58
	36 000	-0 003	0 6167	37 00000	0 003	21 37	2 08E-02	0 58
	38 000	-0 006	0 6500	39 00000	0 006	21 37	4 17E-02	0 60
	40 000	-0 003	0 6833	41 00000	0 003	21 37	2 08E-02	0 58
	42 000	-0 003	0 7167	43 00000	0 003	21 37	2 08E-02	0 58
	44 000	-0 006	0 7500	45 00000	0 006	21 37	4 17E-02	0 60
	46 000	0 003	0 7833	47 00000	0 003	21 37	2 08E-02	0 58
	48 000	-0 003	0 8167	49 00000	0 003	21 37	2 08E-02	0 58
	50 000	-0 003	0 8500	51 00000	0 003	21 37	2 08E-02	0 58
	52 000	-0 003	0 8833	53 00000	0 003	21 37	2 08E-02	0 58
	54 000	-0 003	0 9167	55 00000	0 003	21 37	2 08E-02	0 58
	56 000	-0 003	0 9500	57 00000	0 003	21 37	2 08E-02	0 58
	58 000	-0 018	0 9833	59 00000	0 018	21 35	1 25E-01	0 69
	60 000	0 018	1 0167	61 00000	0 018	21 35	1 25E-01	0 69
	62 000	-0 022	1 0500	63 00000	0 022	21 35	1 53E-01	0 72
	64 000	0 022	1 0833	65 00000	0 022	21 35	1 53E-01	0 72
	66 000	-0 025	1 1167	67 00000	0 025	21 35	1 74E-01	0 74
	68 000	0 028	1 1500	69 00000	0 028	21 34	1 94E-01	0 76
	70 000	-0 028	1 1833	71 00000	0 028	21 34	1 94E-01	0 76
	72 000	-0 031	1 2167	73 00000	0 031	21 34	2 15E-01	0 78
	74 000	-0 034	1 2500	75 00000	0 034	21 34	2 36E-01	0 80
	76 000	0 034	1 2833	77 00000	0 034	21 34	2 36E-01	0 80
	78 000	-0 037	1 3167	79 00000	0 037	21 34	2 57E 01	0 82
	80 000	-0 037	1 3500	81 00000	0 037	21 34	2 57E-01	0 82
	82 000	0 041	1 3833	83 00000	0 041	21 33	2 85E-01	0 85
	84 000	-0 041	1 4167	85 00000	0 041	21 33	2 85E-01	0 85
	86 000	-0 044	1 4500	87 00000	0 044	21 33	3 05E-01	0 87
	88 000	-0 047	1 4833	89 00000	0 047	21 33	3 26E-01	0 89
	90 000	-0 047	1 5167	91 00000	0 047	21 33	3 26E-01	0 89
	92 000	-0 050	1 5500	93 00000	0 050	21 32	3 47E-01	0 91
	94 000	0 053	1 5833	95 00000	0 053	21 32	3 68E-01	0 93
	96 000	-0 053	1 6167	97 00000	0 053	21 32	3 68E-01	0 93
	98 000	-0 056	1 6500	99 00000	0 056	21 32	3 89E-01	0 95
	100 000	0 060	1 6833	101 00000	0 060	21 31	4 17E-01	0 98
	120 000	-0 079	2 0167	121 00000	0 079	21 29	5 49E-01	1 11
	140 000	0 097	2 3500	141 00000	0 097	21 28	6 73E-01	1 24
	160 000	0 113	2 6833	161 00000	0 113	21 26	7 85E-01	1 35
	180 000	0 132	3 0167	181 00000	0 132	21 24	9 16E-01	1 48
	200 000	0 148	3 3500	201 00000	0 148	21 22	1 03E+00	1 59
	220 000	-0 167	3 6833	221 00000	0 167	21 21	1 16E+00	1 72
	240 000	0 186	4 0167	241 00000	0 186	21 19	1 29E+00	1 85
	260 000	-0 199	4 3500	261 00000	0 199	21 17	1 38E+00	1 94
	280 000	0 214	4 6833	281 00000	0 214	21 16	1 49E+00	2 05
	300 000	0 230	5 0167	301 00000	0 230	21 14	1 60E+00	2 16
	320 000	0 243	5 3500	321 00000	0 243	21 13	1 69E+00	2 25
	340 000	0 259	5 6833	341 00000	0 259	21 11	1 80E+00	2 36
	360 000	0 271	6 0167	361 00000	0 271	21 10	1 88E+00	2 44
	380 000	0 287	6 3500	381 00000	0 287	21 09	1 99E+00	2 56
	400 000	0 300	6 6833	401 00000	0 300	21 07	2 08E+00	2 65
	420 000	-0 316	7 0167	421 00000	0 316	21 06	2 19E+00	2 76
	440 000	-0 331	7 3500	441 00000	0 331	21 04	2 30E+00	2 86
	460 000	-0 347	7 6833	461 00000	0 347	21 03	2 41E+00	2 97
	480 000	-0 360	8 0167	481 00000	0 360	21 01	2 50E+00	3 06
	500 000	-0 376	8 3500	501 00000	0 376	21 00	2 61E+00	3 17
	520 000	0 388	8 6833	521 00000	0 388	20 98	2 69E+00	3 26
	540 000	-0 404	9 0167	541 00000	0 404	20 97	2 80E+00	3 37
	560 000	0 417	9 3500	561 00000	0 417	20 96	2 90E+00	3 46

Input data							Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
580 000	-0 429	9 6833	581 00000	0 429	20 94		2 98E+00	3 54
600 000	-0 445	10 0167	601 00000	0 445	20 93		3 09E+00	3 65
620 000	-0 458	10 3500	621 00000	0 458	20 91		3 18E+00	3 74
640 000	-0 470	10 6833	641 00000	0 470	20 90		3 26E+00	3 83
660 000	-0 483	11 0167	661 00000	0 483	20 89		3 35E+00	3 92
680 000	-0 496	11 3500	681 00000	0 496	20 88		3 44E+00	4 01
700 000	-0 508	11 6833	701 00000	0 508	20 86		3 53E+00	4 09
720 000	-0 521	12 0167	721 00000	0 521	20 85		3 62E+00	4 18
740 000	-0 537	12 3500	741 00000	0 537	20 84		3 73E+00	4 29
760 000	-0 546	12 6833	761 00000	0 546	20 83		3 79E+00	4 35
780 000	-0 559	13 0167	781 00000	0 559	20 81		3 88E+00	4 44
800 000	-0 572	13 3500	801 00000	0 572	20 80		3 97E+00	4 53
820 000	-0 581	13 6833	821 00000	0 581	20 79		4 03E+00	4 60
840 000	-0 594	14 0167	841 00000	0 594	20 78		4 12E+00	4 69
860 000	-0 606	14 3500	861 00000	0 606	20 77		4 21E+00	4 77
880 000	0 619	14 6833	881 00000	0 619	20 75		4 30E+00	4 86
900 000	-0 625	15 0167	901 00000	0 625	20 75		4 34E+00	4 90
920 000	0 638	15 3500	921 00000	0 638	20 73		4 43E+00	4 99
940 000	0 647	15 6833	941 00000	0 647	20 73		4 49E+00	5 05
960 000	-0 657	16 0167	961 00000	0 657	20 72		4 56E+00	5 12
980 000	-0 670	16 3500	981 00000	0 670	20 70		4 65E+00	5 21
1000 000	-0 679	16 6833	1001 00000	0 679	20 69		4 71E+00	5 28
1200 000	-0 771	20 0167	1201 00000	0 771	20 60		5 35E+00	5 92
1400 000	-0 843	23 3500	1401 00000	0 843	20 53		5 85E+00	6 42
1600 000	-0 919	26 6833	1601 00000	0 919	20 45		6 38E+00	6 94
1800 000	-0 992	30 0167	1801 00000	0 992	20 38		6 89E+00	7 45
2000 000	1 068	33 3500	2001 00000	1 068	20 30		7 42E+00	7 98
2200 000	-1 131	36 6833	2201 00000	1 131	20 24		7 85E+00	8 41
2400 000	-1 188	40 0167	2401 00000	1 188	20 18		8 25E+00	8 81
2600 000	1 245	43 3500	2601 00000	1 245	20 13		8 64E+00	9 21
2800 000	1 283	46 6833	2801 00000	1 283	20 09		8 91E+00	9 47
3000 000	-1 327	50 0167	3001 00000	1 327	20 05		9 21E+00	9 78
3200 000	-1 374	53 3500	3201 00000	1 374	20 00		9 54E+00	10 10
3400 000	-1 419	56 6833	3401 00000	1 419	19 95		9 85E+00	10 41
3600 000	1 463	60 0167	3601 00000	1 463	19 91		1 02E+01	10 72
3800 000	-1 498	63 3500	3801 00000	1 498	19 87		1 04E+01	10 96
4000 000	-1 536	66 6833	4001 00000	1 536	19 84		1 07E+01	11 23
4200 000	1 561	70 0167	4201 00000	1 561	19 81		1 08E+01	11 40
4400 000	-1 592	73 3500	4401 00000	1 592	19 78		1 11E+01	11 62
4600 000	-1 627	76 6833	4601 00000	1 627	19 75		1 13E+01	11 86
4800 000	-1 653	80 0167	4801 00000	1 653	19 72		1 15E+01	12 04
5000 000	1 687	83 3500	5001 00000	1 687	19 69		1 17E+01	12 28
5200 000	1 716	86 6833	5201 00000	1 716	19 66		1 19E+01	12 48
5400 000	-1 744	90 0167	5401 00000	1 744	19 63		1 21E+01	12 67
5600 000	1 769	93 3500	5601 00000	1 769	19 60		1 23E+01	12 84
5800 000	1 788	96 6833	5801 00000	1 788	19 58		1 24E+01	12 98
6000 000	-1 811	100 0167	6001 00000	1 811	19 56		1 26E+01	13 14
6200 000	-1 839	103 3500	6201 00000	1 839	19 53		1 28E+01	13 33
6400 000	1 867	106 6833	6401 00000	1 867	19 51		1 30E+01	13 53
6600 000	1 893	110 0167	6601 00000	1 893	19 48		1 31E+01	13 71
6800 000	1 918	113 3500	6801 00000	1 918	19 45		1 33E+01	13 88
7000 000	1 940	116 6833	7001 00000	1 940	19 43		1 35E+01	14 03
7200 000	-1 956	120 0167	7201 00000	1 956	19 42		1 36E+01	14 14
7400 000	1 978	123 3500	7401 00000	1 978	19 39		1 37E+01	14 30
7600 000	2 003	126 6833	7601 00000	2 003	19 37		1 39E+01	14 47
7800 000	-2 029	130 0167	7801 00000	2 029	19 34		1 41E+01	14 65
8000 000	-2 048	133 3500	8001 00000	2 048	19 32		1 42E+01	14 78
8200 000	2 070	136 6833	8201 00000	2 070	19 30		1 44E+01	14 93
8400 000	2 092	140 0167	8401 00000	2 092	19 28		1 45E+01	15 09
8600 000	2 111	143 3500	8601 00000	2 111	19 26		1 47E+01	15 22
8800 000	2 127	146 6833	8801 00000	2 127	19 25		1 48E+01	15 33
9000 000	-2 149	150 0167	9001 00000	2 149	19 22		1 49E+01	15 48
9200 000	2 174	153 3500	9201 00000	2 174	19 20		1 51E+01	15 66
9400 000	-2 187	156 6833	9401 00000	2 187	19 19		1 52E+01	15 75
9600 000	2 196	160 0167	9601 00000	2 196	19 18		1 52E+01	15 81
9800 000	2 206	163 3500	9801 00000	2 206	19 17		1 53E+01	15 88
10000 000	2 199	166 6833	10001 00000	2 199	19 17		1 53E+01	15 83
11440 000	-2 240	190 6833	11441 00000	2 240	19 13		1 56E+01	16 11
12880 000	-2 269	214 6833	12881 00000	2 269	19 10		1 58E+01	16 32
14320 000	2 294	238 6833	14321 00000	2 294	19 08		1 59E+01	16 49
15760 000	2 316	262 6833	15761 00000	2 316	19 06		1 61E+01	16 64
17200 000	2 329	286 6833	17201 00000	2 329	19 04		1 62E+01	16 73

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
18640 000	2 351		310 6833	18641 00000	2 351	19 02	1 63E+01	16 89
20080 000	-2 367		334 6833	20081 00000	2 367	19 01	1 64E+01	17 00
21520 000	-2 383		358 6833	21521 00000	2 383	18 99	1 65E+01	17 11
22960 000	2 402		382 6833	22961 00000	2 402	18 97	1 67E+01	17 24

Well No. 33491
Measured recovery after sampling

Date: 22-Aug-94

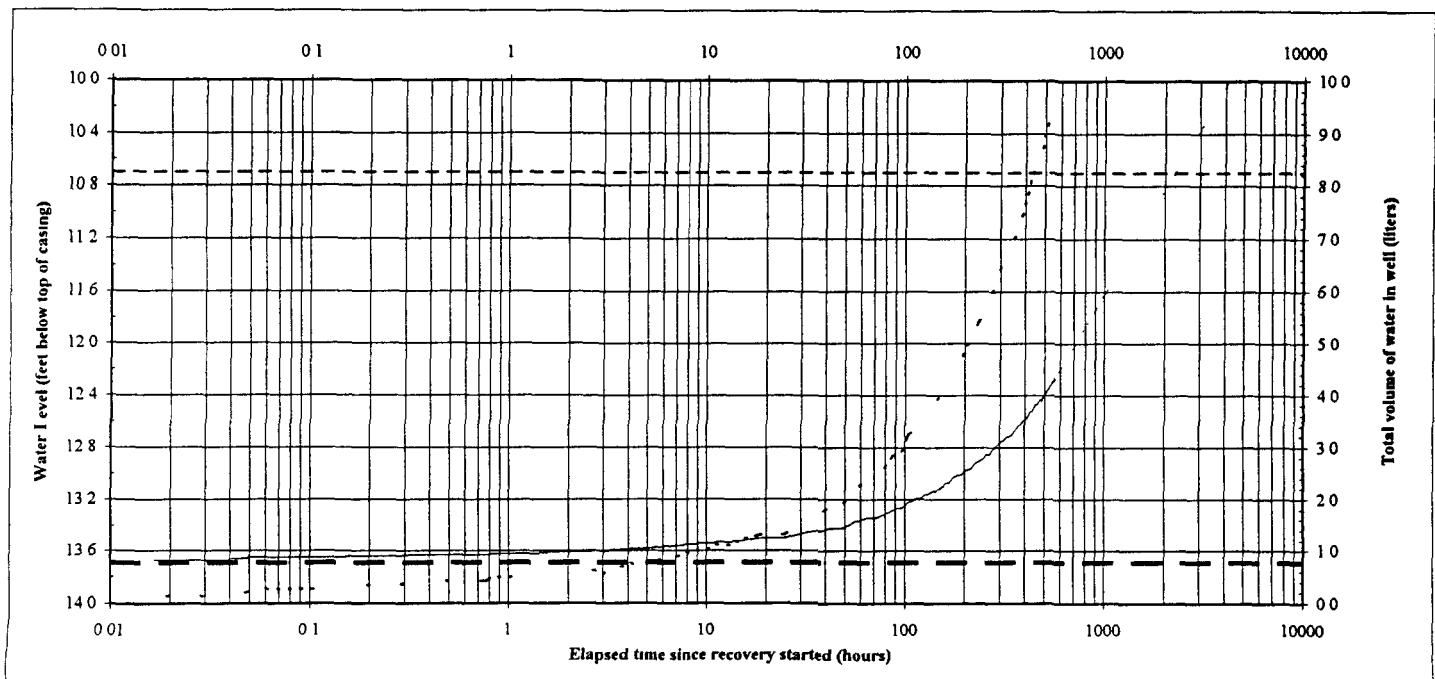
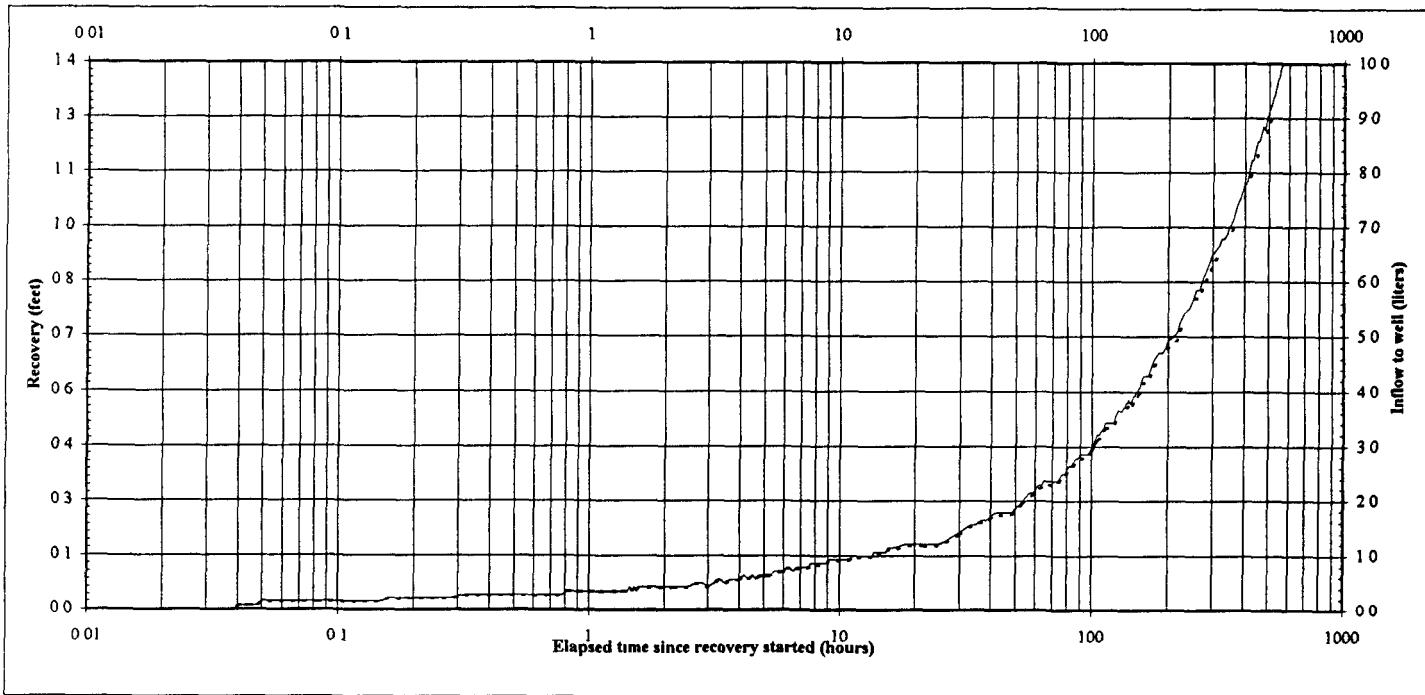
3rd quarter 1994

Water Level

Volume

Extrapolation to 100% recovery

Pre-sampling
 Static Water Level
 Bottom of well



F 0691

Well No

33491

Date Sampled

3rd quarter

22-Aug-94

Final bail time	11 04			
Set transducer time	11 05			
Static water level (pre-sampling)	10 7			
Final water level (post recovery)	12 3	feet below top of casing		
Last recorded water level	+3 4	feet below top of casing		
Transducer reference depth	13 7	feet below transducer		
Bottom of well	13 7	feet below top of casing		
First recorded water level	0 0	feet below top of casing		
First recorded water level	13 7	feet below transducer		
Water column remaining in casing after purging	0 0	feet		
Volume remaining in casing after purging	0 1	liters		
Well diameter	11 0	inches	0 917	feet
Well radius	5 5	inches	0 458	feet
Casing diameter	2 0	inches	0 167	feet
Casing radius	1 0	inches	0 083	feet
Effective well radius	3 4	inches	0 279	feet
Top of sandpack	6 1	feet below top of casing		
			0 62 liters/foot	
			6 94 liters/foot	

Input data

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 000	0 0167	1 00000	0 000	13 67	0 00E+00	0 14
0 003	0 000	0 0167	1 00330	0 000	13 67	0 00E+00	0 14
0 007	0 000	0 0168	1 00660	0 000	13 67	0 00E+00	0 14
0 010	0 000	0 0168	1 00990	0 000	13 67	0 00E+00	0 14
0 013	0 000	0 0169	1 01330	0 000	13 67	0 00E+00	0 14
0 017	0 000	0 0169	1 01660	0 000	13 67	0 00E+00	0 14
0 020	0 000	0 0170	1 02000	0 000	13 67	0 00E+00	0 14
0 023	0 000	0 0171	1 02330	0 000	13 67	0 00E+00	0 14
0 027	0 000	0 0171	1 02660	0 000	13 67	0 00E+00	0 14
0 030	0 000	0 0172	1 03000	0 000	13 67	0 00E+00	0 14
0 033	0 000	0 0172	1 03330	0 000	13 67	0 00E+00	0 14
0 050	0 000	0 0175	1 05000	0 000	13 67	0 00E+00	0 14
0 067	0 000	0 0178	1 06660	0 000	13 67	0 00E+00	0 14
0 083	0 000	0 0181	1 08330	0 000	13 67	0 00E+00	0 14
0 100	0 000	0 0183	1 10000	0 000	13 67	0 00E+00	0 14
0 117	0 000	0 0186	1 11660	0 000	13 67	0 00E+00	0 14
0 133	0 000	0 0189	1 13330	0 000	13 67	0 00E+00	0 14
0 150	0 000	0 0192	1 15000	0 000	13 67	0 00E+00	0 14
0 167	0 000	0 0194	1 16660	0 000	13 67	0 00E+00	0 14
0 183	0 000	0 0197	1 18330	0 000	13 67	0 00E+00	0 14
0 200	0 000	0 0200	1 20000	0 000	13 67	0 00E+00	0 14
0 217	0 000	0 0203	1 21660	0 000	13 67	0 00E+00	0 14
0 233	0 000	0 0206	1 23330	0 000	13 67	0 00E+00	0 14
0 250	0 000	0 0208	1 25000	0 000	13 67	0 00E+00	0 14
0 267	0 000	0 0211	1 26660	0 000	13 67	0 00E+00	0 14
0 283	0 000	0 0214	1 28330	0 000	13 67	0 00E+00	0 14
0 300	0 000	0 0217	1 30000	0 000	13 67	0 00E+00	0 14
0 317	0 000	0 0219	1 31660	0 000	13 67	0 00E+00	0 14
0 333	0 000	0 0222	1 33330	0 000	13 67	0 00E+00	0 14
0 417	0 000	0 0236	1 41670	0 000	13 67	0 00E+00	0 14
0 500	0 000	0 0250	1 50000	0 000	13 67	0 00E+00	0 14
0 583	0 000	0 0264	1 58330	0 000	13 67	0 00E+00	0 14
0 667	0 000	0 0278	1 66670	0 000	13 67	0 00E+00	0 14
0 750	0 000	0 0292	1 75000	0 000	13 67	0 00E+00	0 14
0 833	0 000	0 0306	1 83330	0 000	13 67	0 00E+00	0 14
0 917	0 000	0 0319	1 91670	0 000	13 67	0 00E+00	0 14
1 000	0 000	0 0333	2 00000	0 000	13 67	0 00E+00	0 14
1 083	0 000	0 0347	2 08330	0 000	13 67	0 00E+00	0 14

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
	1 167	0 000	0 0361	2 16670	0 000	13 67	0 00E+00	0 14
	1 250	0 000	0 0375	2 25000	0 000	13 67	0 00E+00	0 14
	1 333	0 000	0 0389	2 33330	0 000	13 67	0 00E+00	0 14
	1 417	0 010	0 0403	2 41660	0 010	13 66	6 94E-02	0 21
	1 500	-0 010	0 0417	2 50000	0 010	13 66	6 94E-02	0 21
	1 583	-0 010	0 0431	2 58330	0 010	13 66	6 94E-02	0 21
	1 667	0 010	0 0444	2 66670	0 010	13 66	6 94E-02	0 21
	1 750	-0 010	0 0458	2 75000	0 010	13 66	6 94E-02	0 21
	1 833	-0 010	0 0472	2 83330	0 010	13 66	6 94E-02	0 21
	1 917	-0 010	0 0486	2 91670	0 010	13 66	6 94E-02	0 21
	2 000	-0 020	0 0500	3 00000	0 020	13 65	1 39E-01	0 28
	2 500	-0 020	0 0583	3 50000	0 020	13 65	1 39E-01	0 28
	3 000	-0 020	0 0667	4 00000	0 020	13 65	1 39E-01	0 28
	3 500	0 020	0 0750	4 50000	0 020	13 65	1 39E-01	0 28
	4 000	0 020	0 0833	5 00000	0 020	13 65	1 39E-01	0 28
	4 500	0 020	0 0917	5 50000	0 020	13 65	1 39E-01	0 28
	5 000	0 020	0 1000	6 00000	0 020	13 65	1 39E-01	0 28
	5 500	0 020	0 1083	6 50000	0 020	13 65	1 39E-01	0 28
	6 000	0 020	0 1167	7 00000	0 020	13 65	1 39E-01	0 28
	6 500	0 020	0 1250	7 50000	0 020	13 65	1 39E-01	0 28
	7 000	-0 020	0 1333	8 00000	0 020	13 65	1 39E-01	0 28
	7 500	0 020	0 1417	8 50000	0 020	13 65	1 39E 01	0 28
	8 000	-0 020	0 1500	9 00000	0 020	13 65	1 39E-01	0 28
	8 500	-0 030	0 1583	9 50000	0 030	13 64	2 08E-01	0 35
	9 000	0 030	0 1667	10 00000	0 030	13 64	2 08E-01	0 35
	9 500	-0 030	0 1750	10 50000	0 030	13 64	2 08E-01	0 35
	10 000	0 030	0 1833	11 00000	0 030	13 64	2 08E-01	0 35
	12 000	0 030	0 2167	13 00000	0 030	13 64	2 08E-01	0 35
	14 000	0 030	0 2500	15 00000	0 030	13 64	2 08E-01	0 35
	16 000	-0 030	0 2833	17 00000	0 030	13 64	2 08E-01	0 35
	18 000	-0 040	0 3167	19 00000	0 040	13 63	2 78E-01	0 42
	20 000	-0 040	0 3500	21 00000	0 040	13 63	2 78E-01	0 42
	22 000	-0 040	0 3833	23 00000	0 040	13 63	2 78E-01	0 42
	24 000	-0 040	0 4167	25 00000	0 040	13 63	2 78E-01	0 42
	26 000	-0 040	0 4500	27 00000	0 040	13 63	2 78E-01	0 42
	28 000	-0 040	0 4833	29 00000	0 040	13 63	2 78E-01	0 42
	30 000	0 040	0 5167	31 00000	0 040	13 63	2 78E-01	0 42
	32 000	-0 040	0 5500	33 00000	0 040	13 63	2 78E-01	0 42
	34 000	-0 040	0 5833	35 00000	0 040	13 63	2 78E-01	0 42
	36 000	-0 040	0 6167	37 00000	0 040	13 63	2 78E-01	0 42
	38 000	-0 040	0 6500	39 00000	0 040	13 63	2 78E-01	0 42
	40 000	-0 040	0 6833	41 00000	0 040	13 63	2 78E-01	0 42
	42 000	0 040	0 7167	43 00000	0 040	13 63	2 78E-01	0 42
	44 000	0 040	0 7500	45 00000	0 040	13 63	2 78E-01	0 42
	46 000	-0 040	0 7833	47 00000	0 040	13 63	2 78E-01	0 42
	48 000	-0 050	0 8167	49 00000	0 050	13 62	3 47E-01	0 49
	50 000	0 050	0 8500	51 00000	0 050	13 62	3 47E-01	0 49
	52 000	0 050	0 8833	53 00000	0 050	13 62	3 47E-01	0 49
	54 000	-0 050	0 9167	55 00000	0 050	13 62	3 47E-01	0 49
	56 000	0 050	0 9500	57 00000	0 050	13 62	3 47E-01	0 49
	58 000	-0 050	0 9833	59 00000	0 050	13 62	3 47E-01	0 49
	60 000	-0 050	1 0167	61 00000	0 050	13 62	3 47E-01	0 49
	62 000	-0 050	1 0500	63 00000	0 050	13 62	3 47E 01	0 49
	64 000	-0 050	1 0833	65 00000	0 050	13 62	3 47E-01	0 49
	66 000	0 050	1 1167	67 00000	0 050	13 62	3 47E-01	0 49
	68 000	-0 050	1 1500	69 00000	0 050	13 62	3 47E-01	0 49
	70 000	-0 050	1 1833	71 00000	0 050	13 62	3 47E 01	0 49
	72 000	-0 050	1 2167	73 00000	0 050	13 62	3 47E 01	0 49
	74 000	0 050	1 2500	75 00000	0 050	13 62	3 47E-01	0 49
	76 000	0 050	1 2833	77 00000	0 050	13 62	3 47E-01	0 49
	78 000	0 050	1 3167	79 00000	0 050	13 62	3 47E-01	0 49
	80 000	-0 050	1 3500	81 00000	0 050	13 62	3 47E-01	0 49
	82 000	-0 050	1 3833	83 00000	0 050	13 62	3 47E-01	0 49
	84 000	0 050	1 4167	85 00000	0 050	13 62	3 47E-01	0 49
	86 000	0 060	1 4500	87 00000	0 060	13 61	4 17E-01	0 56
	88 000	0 050	1 4833	89 00000	0 050	13 62	3 47E-01	0 49
	90 000	0 060	1 5167	91 00000	0 060	13 61	4 17E-01	0 56
	92 000	-0 050	1 5500	93 00000	0 050	13 62	3 47E-01	0 49
	94 000	-0 060	1 5833	95 00000	0 060	13 61	4 17E 01	0 56
	96 000	-0 060	1 6167	97 00000	0 060	13 61	4 17E-01	0 56
	98 000	-0 060	1 6500	99 00000	0 060	13 61	4 17E-01	0 56
	100 000	0 060	1 6833	101 00000	0 060	13 61	4 17E-01	0 56

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
110 000	0 060	1 8500	111 00000	0 060	13 61	4 17E-01	0 56	
120 000	-0 060	2 0167	121 00000	0 060	13 61	4 17E-01	0 56	
130 000	-0 060	2 1833	131 00000	0 060	13 61	4 17E-01	0 56	
140 000	0 060	2 3500	141 00000	0 060	13 61	4 17E-01	0 56	
150 000	0 060	2 5167	151 00000	0 060	13 61	4 17E-01	0 56	
160 000	-0 070	2 6833	161 00000	0 070	13 60	4 86E-01	0 62	
170 000	-0 070	2 8500	171 00000	0 070	13 60	4 86E-01	0 62	
180 000	-0 060	3 0167	181 00000	0 060	13 61	4 17E-01	0 56	
190 000	-0 070	3 1833	191 00000	0 070	13 60	4 86E-01	0 62	
200 000	-0 080	3 3500	201 00000	0 080	13 59	5 55E-01	0 69	
210 000	-0 070	3 5167	211 00000	0 070	13 60	4 86E-01	0 62	
220 000	-0 080	3 6833	221 00000	0 080	13 59	5 55E-01	0 69	
230 000	0 080	3 8500	231 00000	0 080	13 59	5 55E-01	0 69	
240 000	0 080	4 0167	241 00000	0 080	13 59	5 55E-01	0 69	
250 000	-0 090	4 1833	251 00000	0 090	13 58	6 25E-01	0 76	
260 000	-0 080	4 3500	261 00000	0 080	13 59	5 55E-01	0 69	
270 000	-0 090	4 5167	271 00000	0 090	13 58	6 25E-01	0 76	
280 000	0 080	4 6833	281 00000	0 080	13 59	5 55E-01	0 69	
290 000	0 090	4 8500	291 00000	0 090	13 58	6 25E-01	0 76	
300 000	0 090	5 0167	301 00000	0 090	13 58	6 25E-01	0 76	
310 000	0 090	5 1833	311 00000	0 090	13 58	6 25E-01	0 76	
320 000	-0 090	5 3500	321 00000	0 090	13 58	6 25E-01	0 76	
330 000	-0 100	5 5167	331 00000	0 100	13 57	6 94E-01	0 83	
340 000	-0 100	5 6833	341 00000	0 100	13 57	6 94E-01	0 83	
350 000	-0 100	5 8500	351 00000	0 100	13 57	6 94E-01	0 83	
360 000	0 100	6 0167	361 00000	0 100	13 57	6 94E-01	0 83	
370 000	-0 110	6 1833	371 00000	0 110	13 56	7 64E-01	0 90	
380 000	-0 110	6 3500	381 00000	0 110	13 56	7 64E-01	0 90	
390 000	-0 100	6 5167	391 00000	0 100	13 57	6 94E-01	0 83	
400 000	-0 110	6 6833	401 00000	0 110	13 56	7 64E-01	0 90	
410 000	0 110	6 8500	411 00000	0 110	13 56	7 64E-01	0 90	
420 000	0 110	7 0167	421 00000	0 110	13 56	7 64E-01	0 90	
430 000	0 110	7 1833	431 00000	0 110	13 56	7 64E-01	0 90	
440 000	0 110	7 3500	441 00000	0 110	13 56	7 64E-01	0 90	
450 000	0 110	7 5167	451 00000	0 110	13 56	7 64E-01	0 90	
460 000	-0 120	7 6833	461 00000	0 120	13 55	8 33E-01	0 97	
470 000	-0 120	7 8500	471 00000	0 120	13 55	8 33E-01	0 97	
480 000	-0 120	8 0167	481 00000	0 120	13 55	8 33E-01	0 97	
490 000	-0 120	8 1833	491 00000	0 120	13 55	8 33E-01	0 97	
500 000	-0 120	8 3500	501 00000	0 120	13 55	8 33E-01	0 97	
510 000	-0 120	8 5167	511 00000	0 120	13 55	8 33E-01	0 97	
520 000	-0 120	8 6833	521 00000	0 120	13 55	8 33E-01	0 97	
530 000	-0 120	8 8500	531 00000	0 120	13 55	8 33E-01	0 97	
540 000	-0 130	9 0167	541 00000	0 130	13 54	9 03E-01	1 04	
550 000	-0 130	9 1833	551 00000	0 130	13 54	9 03E-01	1 04	
560 000	0 130	9 3500	561 00000	0 130	13 54	9 03E-01	1 04	
570 000	0 130	9 5167	571 00000	0 130	13 54	9 03E-01	1 04	
580 000	0 130	9 6833	581 00000	0 130	13 54	9 03E-01	1 04	
590 000	0 130	9 8500	591 00000	0 130	13 54	9 03E-01	1 04	
600 000	0 130	10 0167	601 00000	0 130	13 54	9 03E-01	1 04	
610 000	0 130	10 1833	611 00000	0 130	13 54	9 03E-01	1 04	
620 000	-0 130	10 3500	621 00000	0 130	13 54	9 03E-01	1 04	
630 000	-0 130	10 5167	631 00000	0 130	13 54	9 03E-01	1 04	
640 000	-0 130	10 6833	641 00000	0 130	13 54	9 03E-01	1 04	
650 000	0 130	10 8500	651 00000	0 130	13 54	9 03E-01	1 04	
660 000	-0 130	11 0167	661 00000	0 130	13 54	9 03E-01	1 04	
670 000	-0 140	11 1833	671 00000	0 140	13 53	9 72E-01	1 11	
680 000	-0 140	11 3500	681 00000	0 140	13 53	9 72E-01	1 11	
690 000	0 140	11 5167	691 00000	0 140	13 53	9 72E-01	1 11	
700 000	0 140	11 6833	701 00000	0 140	13 53	9 72E-01	1 11	
710 000	0 140	11 8500	711 00000	0 140	13 53	9 72E-01	1 11	
720 000	0 140	12 0167	721 00000	0 140	13 53	9 72E-01	1 11	
730 000	0 140	12 1833	731 00000	0 140	13 53	9 72E-01	1 11	
740 000	0 140	12 3500	741 00000	0 140	13 53	9 72E-01	1 11	
750 000	0 140	12 5167	751 00000	0 140	13 53	9 72E-01	1 11	
760 000	0 140	12 6833	761 00000	0 140	13 53	9 72E-01	1 11	
770 000	0 140	12 8500	771 00000	0 140	13 53	9 72E-01	1 11	
780 000	0 140	13 0167	781 00000	0 140	13 53	9 72E-01	1 11	
790 000	0 140	13 1833	791 00000	0 140	13 53	9 72E-01	1 11	
800 000	-0 140	13 3500	801 00000	0 140	13 53	9 72E-01	1 11	
810 000	0 140	13 5167	811 00000	0 140	13 53	9 72E-01	1 11	
820 000	0 150	13 6833	821 00000	0 150	13 52	1 04E+00	1 18	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
830 000	-0 150	13 8500	831 00000	0 150	13 52	1 04E+00	1 18	
840 000	-0 150	14 0167	841 00000	0 150	13 52	1 04E+00	1 18	
850 000	-0 150	14 1833	851 00000	0 150	13 52	1 04E+00	1 18	
860 000	-0 150	14 3500	861 00000	0 150	13 52	1 04E+00	1 18	
870 000	-0 150	14 5167	871 00000	0 150	13 52	1 04E+00	1 18	
880 000	-0 150	14 6833	881 00000	0 150	13 52	1 04E+00	1 18	
890 000	-0 150	14 8500	891 00000	0 150	13 52	1 04E+00	1 18	
900 000	0 150	15 0167	901 00000	0 150	13 52	1 04E+00	1 18	
910 000	0 150	15 1833	911 00000	0 150	13 52	1 04E+00	1 18	
920 000	-0 150	15 3500	921 00000	0 150	13 52	1 04E+00	1 18	
930 000	-0 160	15 5167	931 00000	0 160	13 51	1 11E+00	1 25	
940 000	-0 160	15 6833	941 00000	0 160	13 51	1 11E+00	1 25	
950 000	-0 160	15 8500	951 00000	0 160	13 51	1 11E+00	1 25	
960 000	-0 160	16 0167	961 00000	0 160	13 51	1 11E+00	1 25	
970 000	0 160	16 1833	971 00000	0 160	13 51	1 11E+00	1 25	
980 000	0 160	16 3500	981 00000	0 160	13 51	1 11E+00	1 25	
990 000	0 160	16 5167	991 00000	0 160	13 51	1 11E+00	1 25	
1000 000	0 160	16 6833	1001 00000	0 160	13 51	1 11E+00	1 25	
1100 000	-0 170	18 3500	1101 00000	0 170	13 50	1 18E+00	1 32	
1200 000	-0 170	20 0167	1201 00000	0 170	13 50	1 18E+00	1 32	
1300 000	0 170	21 6833	1301 00000	0 170	13 50	1 18E+00	1 32	
1400 000	-0 170	23 3500	1401 00000	0 170	13 50	1 18E+00	1 32	
1500 000	-0 170	25 0167	1501 00000	0 170	13 50	1 18E+00	1 32	
1600 000	-0 180	26 6833	1601 00000	0 180	13 49	1 25E+00	1 39	
1700 000	0 190	28 3500	1701 00000	0 190	13 48	1 32E+00	1 46	
1800 000	-0 200	30 0167	1801 00000	0 200	13 47	1 39E+00	1 53	
1900 000	0 210	31 6833	1901 00000	0 210	13 46	1 46E+00	1 60	
2000 000	0 220	33 3500	2001 00000	0 220	13 45	1 53E+00	1 67	
2100 000	-0 220	35 0167	2101 00000	0 220	13 45	1 53E+00	1 67	
2200 000	-0 230	36 6833	2201 00000	0 230	13 44	1 60E+00	1 74	
2300 000	-0 230	38 3500	2301 00000	0 230	13 44	1 60E+00	1 74	
2400 000	-0 240	40 0167	2401 00000	0 240	13 43	1 67E+00	1 81	
2500 000	-0 250	41 6833	2501 00000	0 250	13 42	1 74E+00	1 87	
2600 000	-0 250	43 3500	2601 00000	0 250	13 42	1 74E+00	1 87	
2700 000	0 250	45 0167	2701 00000	0 250	13 42	1 74E+00	1 87	
2800 000	0 250	46 6833	2801 00000	0 250	13 42	1 74E+00	1 87	
2900 000	-0 250	48 3500	2901 00000	0 250	13 42	1 74E+00	1 87	
3000 000	0 260	50 0167	3001 00000	0 260	13 41	1 81E+00	1 94	
3100 000	0 270	51 6833	3101 00000	0 270	13 40	1 87E+00	2 01	
3200 000	0 280	53 3500	3201 00000	0 280	13 39	1 94E+00	2 08	
3300 000	0 290	55 0167	3301 00000	0 290	13 38	2 01E+00	2 15	
3400 000	-0 300	56 6833	3401 00000	0 300	13 37	2 08E+00	2 22	
3500 000	0 300	58 3500	3501 00000	0 300	13 37	2 08E+00	2 22	
3600 000	0 310	60 0167	3601 00000	0 310	13 36	2 15E+00	2 29	
3700 000	-0 320	61 6833	3701 00000	0 320	13 35	2 22E+00	2 36	
3800 000	0 320	63 3500	3801 00000	0 320	13 35	2 22E+00	2 36	
3900 000	0 330	65 0167	3901 00000	0 330	13 34	2 29E+00	2 43	
4000 000	0 330	66 6833	4001 00000	0 330	13 34	2 29E+00	2 43	
4100 000	-0 330	68 3500	4101 00000	0 330	13 34	2 29E+00	2 43	
4200 000	-0 330	70 0167	4201 00000	0 330	13 34	2 29E+00	2 43	
4300 000	-0 330	71 6833	4301 00000	0 330	13 34	2 29E+00	2 43	
4400 000	-0 330	73 3500	4401 00000	0 330	13 34	2 29E+00	2 43	
4500 000	-0 340	75 0167	4501 00000	0 340	13 33	2 36E+00	2 50	
4600 000	-0 350	76 6833	4601 00000	0 350	13 32	2 43E+00	2 57	
4700 000	0 350	78 3500	4701 00000	0 350	13 32	2 43E+00	2 57	
4800 000	0 360	80 0167	4801 00000	0 360	13 31	2 50E+00	2 64	
4900 000	0 370	81 6833	4901 00000	0 370	13 30	2 57E+00	2 71	
5000 000	0 370	83 3500	5001 00000	0 370	13 30	2 57E+00	2 71	
5100 000	0 380	85 0167	5101 00000	0 380	13 29	2 64E+00	2 78	
5200 000	0 390	86 6833	5201 00000	0 390	13 28	2 71E+00	2 85	
5300 000	-0 390	88 3500	5301 00000	0 390	13 28	2 71E+00	2 85	
5400 000	0 400	90 0167	5401 00000	0 400	13 27	2 78E+00	2 92	
5500 000	-0 400	91 6833	5501 00000	0 400	13 27	2 78E+00	2 92	
5600 000	0 400	93 3500	5601 00000	0 400	13 27	2 78E+00	2 92	
5700 000	-0 400	95 0167	5701 00000	0 400	13 27	2 78E+00	2 92	
5800 000	0 400	96 6833	5801 00000	0 400	13 27	2 78E+00	2 92	
5900 000	0 410	98 3500	5901 00000	0 410	13 26	2 85E+00	2 99	
6000 000	0 420	100 0167	6001 00000	0 420	13 25	2 92E+00	3 05	
6100 000	-0 430	101 6833	6101 00000	0 430	13 24	2 99E+00	3 12	
6200 000	0 440	103 3500	6201 00000	0 440	13 23	3 05E+00	3 19	
6300 000	0 450	105 0167	6301 00000	0 450	13 22	3 12E+00	3 26	
6400 000	0 450	106 6833	6401 00000	0 450	13 22	3 12E+00	3 26	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
6500 000	0 460	108 3500	6501 00000	0 460	13 21	3 19E+00	3 33	
6600 000	0 460	110 0167	6601 00000	0 460	13 21	3 19E+00	3 33	
6700 000	0 470	111 6833	6701 00000	0 470	13 20	3 26E+00	3 40	
6800 000	-0 480	113 3500	6801 00000	0 480	13 19	3 33E+00	3 47	
6900 000	0 480	115 0167	6901 00000	0 480	13 19	3 33E+00	3 47	
7000 000	-0 480	116 6833	7001 00000	0 480	13 19	3 33E+00	3 47	
7100 000	0 480	118 3500	7101 00000	0 480	13 19	3 33E+00	3 47	
7200 000	-0 480	120 0167	7201 00000	0 480	13 19	3 33E+00	3 47	
7300 000	-0 480	121 6833	7301 00000	0 480	13 19	3 33E+00	3 47	
7400 000	-0 490	123 3500	7401 00000	0 490	13 18	3 40E+00	3 54	
7500 000	-0 500	125 0167	7501 00000	0 500	13 17	3 47E+00	3 61	
7600 000	0 510	126 6833	7601 00000	0 510	13 16	3 54E+00	3 68	
7700 000	0 510	128 3500	7701 00000	0 510	13 16	3 54E+00	3 68	
7800 000	-0 510	130 0167	7801 00000	0 510	13 16	3 54E+00	3 68	
7900 000	0 510	131 6833	7901 00000	0 510	13 16	3 54E+00	3 68	
8000 000	0 520	133 3500	8001 00000	0 520	13 15	3 61E+00	3 75	
8100 000	-0 520	135 0167	8101 00000	0 520	13 15	3 61E+00	3 75	
8200 000	-0 530	136 6833	8201 00000	0 530	13 14	3 68E+00	3 82	
8300 000	0 530	138 3500	8301 00000	0 530	13 14	3 68E+00	3 82	
8400 000	0 540	140 0167	8401 00000	0 540	13 13	3 75E+00	3 89	
8500 000	0 530	141 6833	8501 00000	0 530	13 14	3 68E+00	3 82	
8600 000	0 530	143 3500	8601 00000	0 530	13 14	3 68E+00	3 82	
8700 000	0 540	145 0167	8701 00000	0 540	13 13	3 75E+00	3 89	
8800 000	-0 550	146 6833	8801 00000	0 550	13 12	3 82E+00	3 96	
8900 000	0 550	148 3500	8901 00000	0 550	13 12	3 82E+00	3 96	
9000 000	0 560	150 0167	9001 00000	0 560	13 11	3 89E+00	4 03	
9100 000	0 560	151 6833	9101 00000	0 560	13 11	3 89E+00	4 03	
9200 000	0 570	153 3500	9201 00000	0 570	13 10	3 96E+00	4 10	
9300 000	0 570	155 0167	9301 00000	0 570	13 10	3 96E+00	4 10	
9400 000	-0 580	156 6833	9401 00000	0 580	13 09	4 03E+00	4 17	
9500 000	0 590	158 3500	9501 00000	0 590	13 08	4 10E+00	4 24	
9600 000	0 600	160 0167	9601 00000	0 600	13 07	4 17E+00	4 30	
9700 000	-0 600	161 6833	9701 00000	0 600	13 07	4 17E+00	4 30	
9800 000	-0 600	163 3500	9801 00000	0 600	13 07	4 17E+00	4 30	
9900 000	-0 600	165 0167	9901 00000	0 600	13 07	4 17E+00	4 30	
10000 000	0 600	166 6833	10001 00000	0 600	13 07	4 17E+00	4 30	
10500 000	0 640	175 0167	10501 00000	0 640	13 03	4 44E+00	4 58	
11000 000	0 660	183 3500	11001 00000	0 660	13 01	4 58E+00	4 72	
11500 000	0 660	191 6833	11501 00000	0 660	13 01	4 58E+00	4 72	
12000 000	0 690	200 0167	12001 00000	0 690	12 98	4 79E+00	4 93	
12500 000	0 700	208 3500	12501 00000	0 700	12 97	4 86E+00	5 00	
13000 000	0 710	216 6833	13001 00000	0 710	12 96	4 93E+00	5 07	
13500 000	0 740	225 0167	13501 00000	0 740	12 93	5 14E+00	5 28	
14000 000	0 760	233 3500	14001 00000	0 760	12 91	5 28E+00	5 42	
14500 000	0 770	241 6833	14501 00000	0 770	12 90	5 35E+00	5 49	
15000 000	0 790	250 0167	15001 00000	0 790	12 88	5 49E+00	5 62	
15500 000	0 820	258 3500	15501 00000	0 820	12 85	5 69E+00	5 83	
16000 000	-0 820	266 6833	16001 00000	0 820	12 85	5 69E+00	5 83	
16500 000	-0 850	275 0167	16501 00000	0 850	12 82	5 90E+00	6 04	
17000 000	0 870	283 3500	17001 00000	0 870	12 80	6 04E+00	6 18	
17500 000	0 890	291 6833	17501 00000	0 890	12 78	6 18E+00	6 32	
18000 000	0 910	300 0167	18001 00000	0 910	12 76	6 32E+00	6 46	
18500 000	0 920	308 3500	18501 00000	0 920	12 75	6 39E+00	6 53	
19000 000	0 930	316 6833	19001 00000	0 930	12 74	6 46E+00	6 60	
19500 000	0 950	325 0167	19501 00000	0 950	12 72	6 60E+00	6 73	
20000 000	0 950	333 3500	20001 00000	0 950	12 72	6 60E+00	6 73	
20500 000	0 960	341 6833	20501 00000	0 960	12 71	6 67E+00	6 80	
21000 000	0 980	350 0167	21001 00000	0 980	12 69	6 80E+00	6 94	
21500 000	1 000	358 3500	21501 00000	1 000	12 67	6 94E+00	7 08	
22000 000	-1 020	366 6833	22001 00000	1 020	12 65	7 08E+00	7 22	
22500 000	-1 040	375 0167	22501 00000	1 040	12 63	7 22E+00	7 36	
23000 000	-1 050	383 3500	23001 00000	1 050	12 62	7 29E+00	7 43	
23500 000	1 070	391 6833	23501 00000	1 070	12 60	7 43E+00	7 57	
24000 000	-1 090	400 0167	24001 00000	1 090	12 58	7 57E+00	7 71	
24500 000	1 090	408 3500	24501 00000	1 090	12 58	7 57E+00	7 71	
25000 000	1 130	416 6833	25001 00000	1 130	12 54	7 85E+00	7 98	
25500 000	1 150	425 0167	25501 00000	1 150	12 52	7 98E+00	8 12	
26000 000	-1 150	433 3500	26001 00000	1 150	12 52	7 98E+00	8 12	
26500 000	-1 180	441 6833	26501 00000	1 180	12 49	8 19E+00	8 33	
27000 000	1 200	450 0167	27001 00000	1 200	12 47	8 33E+00	8 47	
27500 000	-1 200	458 3500	27501 00000	1 200	12 47	8 33E+00	8 47	
28000 000	-1 220	466 6833	28001 00000	1 220	12 45	8 47E+00	8 61	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)			
28500 000	-1 240	475 0167	28501 00000	1 240	12 43		8 61E+00	8 75
29000 000	1 230	483 3500	29001 00000	1 230	12 44		8 54E+00	8 68
29500 000	1 260	491 6833	29501 00000	1 260	12 41		8 75E+00	8 89
30000 000	-1 280	500 0167	30001 00000	1 280	12 39		8 89E+00	9 03
30500 000	-1 290	508 3500	30501 00000	1 290	12 38		8 96E+00	9 10
31000 000	-1 310	516 6833	31001 00000	1 310	12 36		9 10E+00	9 23
31500 000	-1 320	525 0167	31501 00000	1 320	12 35		9 16E+00	9 30
32000 000	-1 340	533 3500	32001 00000	1 340	12 33		9 30E+00	9 44
32500 000	-1 360	541 6833	32501 00000	1 360	12 31		9 44E+00	9 58
33000 000	1 370	550 0167	33001 00000	1 370	12 30		9 51E+00	9 65
33500 000	1 390	558 3500	33501 00000	1 390	12 28		9 65E+00	9 79
34000 000	-1 400	566 6833	34001 00000	1 400	12 27		9 72E+00	9 86

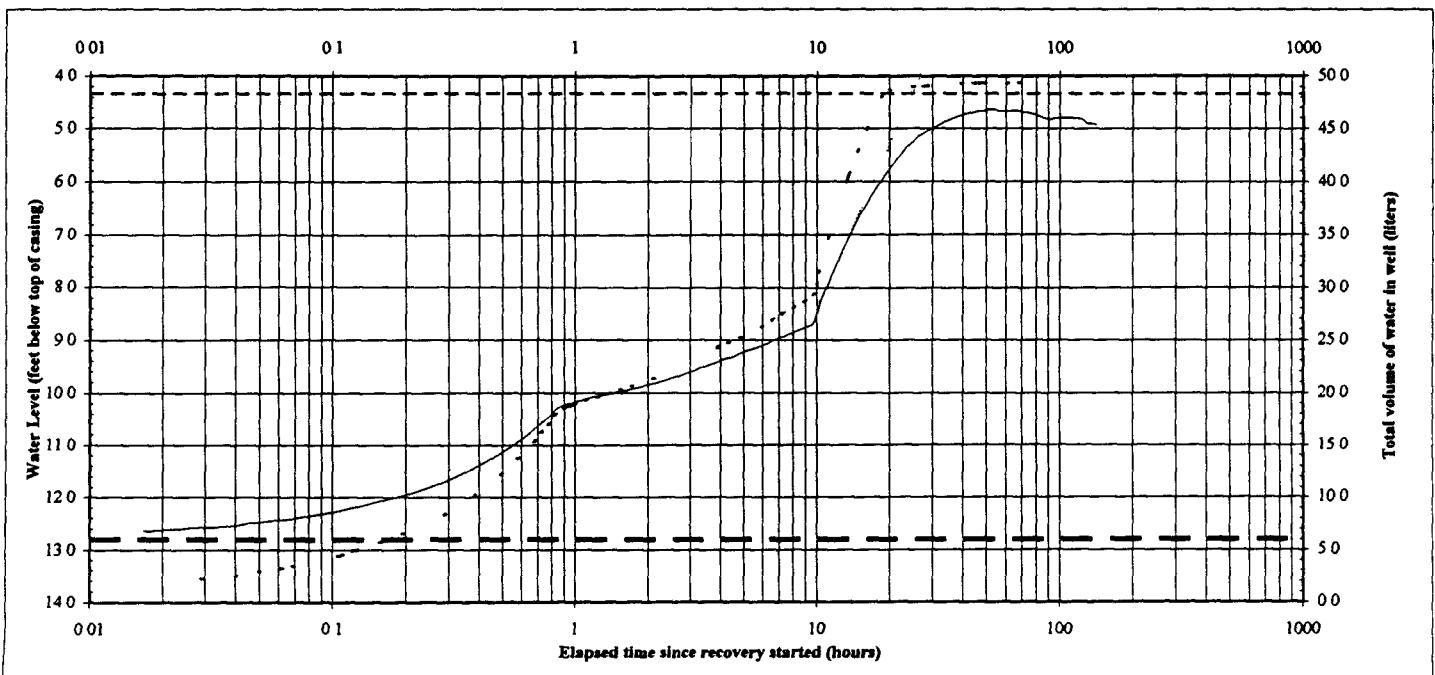
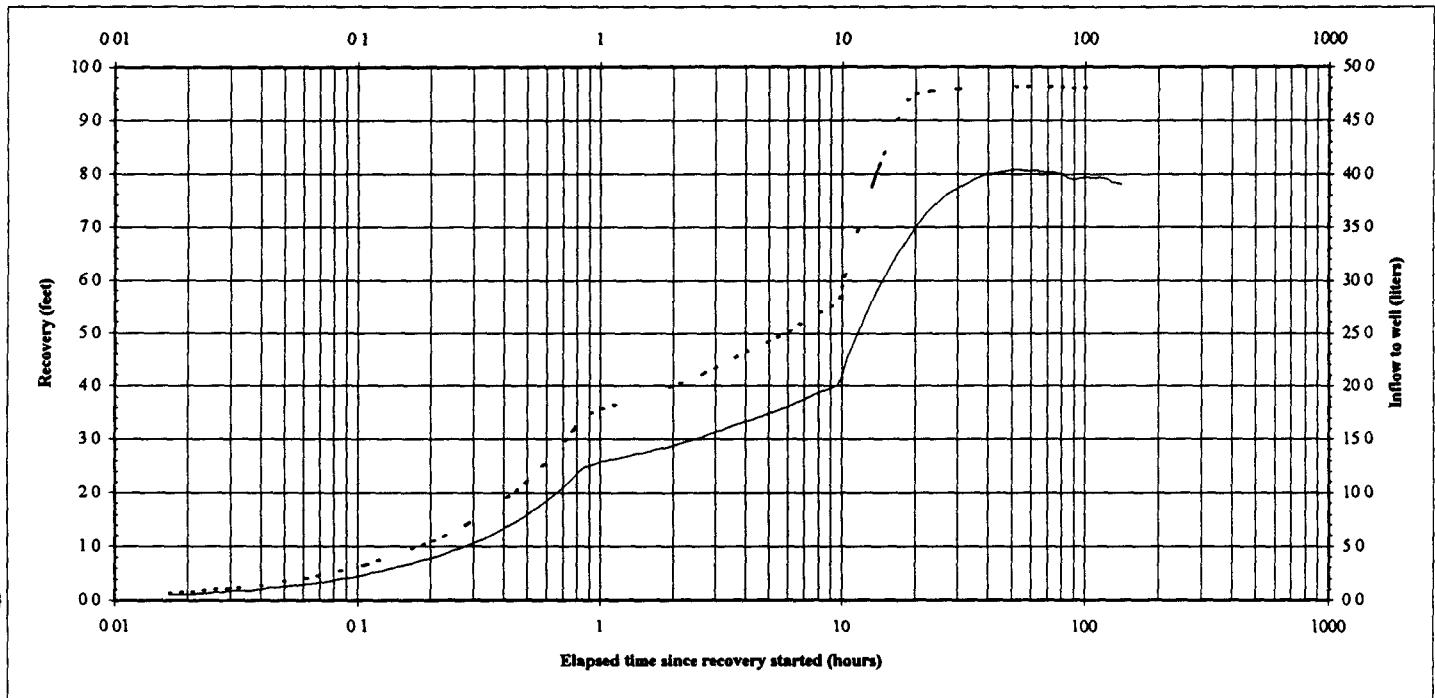
Well No. 34791

Measured recovery after sampling

Date: 27-May-94

2nd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

34791

Date Sampled

2nd quarter
5/27/94

Final Ball Time	14:19	Delay	1 00	Minutes
Set transducer time	14:20			
Static Water Level (pre-sampling)	4.3	feet below top of casing		
Final water level (post-sampling)	4.9	feet below top of casing		
Last recorded water level	-7.8	feet below transducer		
Transducer Reference Depth	12.7	feet below top of casing		
Bottom of well	12.8	feet below top of casing		
First recorded water level	-8.1	feet below transducer		
First recorded water level	12.6	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.2	liters		
Well Diameter	11.8	inches	0.917	feet
Well Radius	5.5	inches	0.458	feet
Casing Diameter	2.0	inches	0.167	feet
Casing Radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	5.9	feet below top of casing		
			0.62	liter/foot
			6.94	liter/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final ball (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0 100	0 0167	1 00000	0 100	12 63	
0 003	-0 100	0 0167	1 00330	0 100	12 63	6 94E-01 1 87
0 007	-0 100	0 0168	1 00660	0 100	12 63	6 94E-01 1 87
0 010	-0 100	0 0168	1 00990	0 100	12 63	6 94E-01 1 87
0 013	-0 100	0 0169	1 01330	0 100	12.63	6 94E-01 1 87
0 017	-0 100	0 0169	1 01660	0 100	12 63	6 94E-01 1 87
0 020	-0 100	0 0170	1 02000	0 100	12 63	6 94E-01 1 87
0 023	-0 100	0 0171	1 02330	0 100	12 63	6 94E-01 1 87
0 027	-0 100	0 0171	1 02660	0 100	12 63	6 94E-01 1 87
0 030	-0 100	0 0172	1 03000	0 100	12 63	6 94E-01 1 87
0 033	-0 100	0 0172	1 03330	0 100	12 63	6 94E-01 1 87
0 050	-0 100	0 0175	1 05000	0 100	12 63	6 94E-01 1 87
0 067	-0 100	0 0178	1 06660	0 100	12 63	6 94E-01 1 87
0 083	-0 100	0 0181	1 08330	0 100	12 63	6 94E-01 1 87
0 100	-0 110	0 0183	1 10000	0 110	12 62	7 64E-01 1 94
0 117	-0 110	0 0186	1 11660	0 110	12.62	7 64E-01 1 94
0 133	-0 110	0 0189	1 13330	0 110	12 62	7 64E-01 1 94
0 150	-0 110	0 0192	1 15000	0 110	12 62	7 64E-01 1 94
0 167	-0 110	0 0194	1 16660	0 110	12 62	7 64E-01 1 94
0 183	-0 110	0 0197	1 18330	0 110	12 62	7 64E-01 1 94
0 200	-0 110	0 0200	1 20000	0 110	12 62	7 64E-01 1 94
0 217	-0 120	0 0203	1 21660	0 120	12 61	8 33E-01 2 01
0 233	-0 120	0 0206	1 23330	0 120	12 61	8 33E-01 2 01
0 250	-0 120	0 0208	1 25000	0 120	12 61	8 33E-01 2 01
0 267	-0 120	0 0211	1 26660	0 120	12 61	8 33E-01 2 01
0 283	-0 120	0 0214	1 28330	0 120	12 61	8 33E-01 2 01
0 300	-0 120	0 0217	1 30000	0 120	12 61	8 33E-01 2 01
0 317	-0 120	0 0219	1 31660	0 120	12.61	8 33E-01 2 01
0 333	-0 130	0 0222	1 33330	0 130	12 60	9 03E-01 2 08
0 417	-0 130	0 0236	1 41670	0 130	12 60	9 03E-01 2 08
0 500	-0 140	0 0250	1 50000	0 140	12 59	9 72E-01 2 15
0 583	-0 150	0 0264	1 58330	0 150	12 58	1 04E+00 2 22
0 667	-0 150	0 0278	1 66670	0 150	12 58	1 04E+00 2 22
0 750	-0 160	0 0292	1 75000	0 160	12 57	1 11E+00 2 29
0 833	-0 170	0 0306	1 83330	0 170	12 56	1 18E+00 2 36
0 917	-0 170	0 0319	1 91670	0 170	12 56	1 18E+00 2 36
1 000	-0 170	0 0333	2 00000	0 170	12 56	1 18E+00 2 36
1 083	-0 180	0 0347	2 08330	0 180	12 55	1 25E+00 2 43

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 167	-0 180	0 0361	2.16670	0 180	12.55	1 25E+00	2 43		
1 250	-0 190	0 0375	2.25000	0 190	12.54	1 32E+00	2 50		
1 333	-0 200	0 0389	2.33330	0 200	12.53	1 39E+00	2 57		
1 417	-0 200	0 0403	2.41660	0 200	12.53	1 39E+00	2 57		
1 500	-0 210	0 0417	2.50000	0 210	12.52	1 46E+00	2 64		
1 583	-0 230	0 0431	2.58330	0 230	12.50	1 60E+00	2.78		
1 667	-0 240	0 0444	2.66670	0 240	12.49	1 67E+00	2.85		
1 750	-0 250	0 0458	2.75000	0 250	12.48	1 74E+00	2.92		
1 833	-0 250	0 0472	2.83330	0 250	12.48	1 74E+00	2.92		
1 917	-0 260	0 0486	2.91670	0 260	12.47	1 81E+00	2.99		
2 000	-0 260	0 0500	3 00000	0 260	12.47	1 81E+00	2.99		
2 500	-0 290	0 0583	3 50000	0 290	12.44	2.01E+00	3 19		
3 000	-0 320	0 0667	4 00000	0 320	12.41	2.22E+00	3 40		
3 500	-0 350	0 0750	4 50000	0 350	12.38	2.43E+00	3 61		
4 000	-0 390	0 0833	5 00000	0 390	12.34	2.71E+00	3 89		
4 500	-0 420	0 0917	5 50000	0 420	12.31	2.92E+00	4 10		
5 000	-0 450	0 1000	6 00000	0 450	12.28	3.12E+00	4 30		
5 500	-0 480	0 1083	6 50000	0 480	12.25	3.33E+00	4 51		
6 000	-0 520	0 1167	7 00000	0 520	12.21	3.61E+00	4 79		
6 500	-0 550	0 1250	7 50000	0 550	12.18	3.82E+00	5 00		
7 000	-0 580	0 1333	8 00000	0 580	12.15	4.03E+00	5 21		
7 500	-0 610	0 1417	8 50000	0 610	12.12	4.24E+00	5 42		
8 000	-0 640	0 1500	9 00000	0 640	12.09	4.44E+00	5 62		
8 500	-0 660	0 1583	9 50000	0 660	12.07	4.58E+00	5 76		
9 000	-0 690	0 1667	10 00000	0 690	12.04	4.79E+00	5 97		
9 500	-0 720	0 1750	10 50000	0 720	12.01	5.00E+00	6 18		
10 000	-0 740	0 1833	11 00000	0 740	11.99	5.14E+00	6 32		
12 000	-0 830	0 2167	13 00000	0 830	11.90	5.76E+00	6 94		
14 000	-0 930	0 2500	15 00000	0 930	11.80	6.46E+00	7 64		
16 000	-1 020	0 2833	17 00000	1 020	11.71	7.08E+00	8 26		
18 000	-1 110	0 3167	19 00000	1 110	11.62	7.71E+00	8 89		
20 000	-1 200	0 3500	21 00000	1 200	11.53	8.33E+00	9 51		
22 000	-1 290	0 3833	23 00000	1 290	11.44	8.96E+00	10 14		
24 000	-1 380	0 4167	25 00000	1 380	11.35	9.58E+00	10 76		
26 000	-1 470	0 4500	27 00000	1 470	11.26	1.02E+01	11 39		
28 000	-1 550	0 4833	29 00000	1 550	11.18	1.08E+01	11 94		
30 000	-1 640	0 5167	31 00000	1 640	11.09	1.14E+01	12 57		
32 000	-1 720	0 5500	33 00000	1 720	11.01	1.19E+01	13 12		
34 000	-1 810	0 5833	35 00000	1 810	10.92	1.26E+01	13 75		
36 000	-1 890	0 6167	37 00000	1 890	10.84	1.31E+01	14 30		
38 000	-1 970	0 6500	39 00000	1 970	10.76	1.37E+01	14 86		
40 000	-2.060	0 6833	41 00000	2 060	10.67	1.43E+01	15 48		
42 000	-2.140	0 7167	43 00000	2 140	10.59	1.49E+01	16 04		
44 000	-2 220	0 7500	45 00000	2 220	10.51	1.54E+01	16 59		
46 000	-2 300	0 7833	47 00000	2 300	10.43	1.60E+01	17 15		
48 000	-2 390	0 8167	49 00000	2 390	10.34	1.66E+01	17 77		
50 000	-2 460	0 8500	51 00000	2 460	10.27	1.71E+01	18 26		
52 000	-2 490	0 8833	53 00000	2 490	10.24	1.73E+01	18 47		
54 000	-2 520	0 9167	55 00000	2 520	10.21	1.75E+01	18 68		
56 000	-2 540	0 9500	57 00000	2 540	10.19	1.76E+01	18 82		
58 000	-2 560	0 9833	59 00000	2 560	10.17	1.78E+01	18 95		
60 000	-2 580	1 0167	61 00000	2 580	10.15	1.79E+01	19 09		
62 000	-2 590	1 0500	63 00000	2 590	10.14	1.80E+01	19 16		
64 000	-2 610	1 0833	65 00000	2 610	10.12	1.81E+01	19 30		
66 000	-2 620	1 1167	67 00000	2 620	10.11	1.82E+01	19 37		
68 000	-2 630	1 1500	69 00000	2 630	10.10	1.83E+01	19 44		
70 000	-2 640	1 1833	71 00000	2 640	10.09	1.83E+01	19 51		
72 000	-2 660	1 2167	73 00000	2 660	10.07	1.85E+01	19 65		
74 000	-2 670	1 2500	75 00000	2 670	10.06	1.85E+01	19 72		
76 000	-2 680	1 2833	77 00000	2 680	10.05	1.86E+01	19 79		
78 000	-2 690	1 3167	79 00000	2 690	10.04	1.87E+01	19 86		
80 000	-2 700	1 3500	81 00000	2 700	10.03	1.87E+01	19 93		
82 000	-2 710	1 3833	83 00000	2 710	10.02	1.88E+01	20 00		
84 000	-2 720	1 4167	85 00000	2 720	10.01	1.89E+01	20 07		
86 000	-2 730	1 4500	87 00000	2 730	10.00	1.90E+01	20 13		
88 000	-2 740	1 4833	89 00000	2 740	9.99	1.90E+01	20 20		
90 000	-2 750	1 5167	91 00000	2 750	9.98	1.91E+01	20 27		
92 000	-2 760	1 5500	93 00000	2 760	9.97	1.92E+01	20 34		
94 000	-2 770	1 5833	95 00000	2 770	9.96	1.92E+01	20 41		
96 000	-2 770	1 6167	97 00000	2 770	9.96	1.92E+01	20 41		
98 000	-2 790	1 6500	99 00000	2 790	9.94	1.94E+01	20 55		
100 000	-2 800	1 6833	101 00000	2 800	9.93	1.94E+01	20 62		

Input data							Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (Liters)	water in well (Liters)
110 000		-2 840	1 8500	111 00000	2 840	9 89	1 97E+01	20 90	
120 000		-2 890	2 0167	121 00000	2 890	9 84	2 01E+01	21 25	
130 000		-2 930	2 1833	131 00000	2 930	9 80	2 03E+01	21 52	
140 000		-2 970	2 3500	141 00000	2 970	9 76	2 06E+01	21 80	
150 000		-3 010	2 5167	151 00000	3 010	9 72	2 09E+01	22 08	
160 000		-3 050	2 6833	161 00000	3 050	9 68	2 12E+01	22 36	
170 000		-3 100	2 8500	171 00000	3 100	9 63	2 15E+01	22 70	
180 000		-3 130	3 0167	181 00000	3 130	9 60	2 17E+01	22 91	
190 000		-3 170	3 1833	191 00000	3 170	9 56	2 20E+01	23 19	
200 000		-3 210	3 3500	201 00000	3 210	9 52	2 23E+01	23 47	
210 000		-3 250	3 5167	211 00000	3 250	9 48	2 26E+01	23 75	
220 000		-3 280	3 6833	221 00000	3 280	9 45	2 28E+01	23 95	
230 000		-3 310	3 8500	231 00000	3 310	9 42	2 30E+01	24 16	
240 000		-3 340	4 0167	241 00000	3 340	9 39	2 32E+01	24 37	
250 000		-3 370	4 1833	251 00000	3 370	9 36	2 34E+01	24 58	
260 000		-3 390	4 3500	261 00000	3 390	9 34	2 35E+01	24 72	
270 000		-3 420	4 5167	271 00000	3 420	9 31	2 37E+01	24 93	
280 000		-3 440	4 6833	281 00000	3 440	9 29	2 39E+01	25 06	
290 000		-3 470	4 8500	291 00000	3 470	9 26	2 41E+01	25 27	
300 000		-3 490	5 0167	301 00000	3 490	9 24	2 42E+01	25 41	
310 000		-3 520	5 1833	311 00000	3 520	9 21	2 44E+01	25 62	
320 000		-3 540	5 3500	321 00000	3 540	9 19	2 46E+01	25 76	
330 000		-3 560	5 5167	331 00000	3 560	9 17	2 47E+01	25 90	
340 000		-3 580	5 6833	341 00000	3 580	9 15	2 49E+01	26 04	
350 000		-3 600	5 8500	351 00000	3 600	9 13	2 50E+01	26 18	
360 000		-3 620	6 0167	361 00000	3 620	9 11	2 51E+01	26 31	
370 000		-3 640	6 1833	371 00000	3 640	9 09	2 53E+01	26 45	
380 000		-3 670	6 3500	381 00000	3 670	9 06	2 55E+01	26 66	
390 000		-3 690	6 5167	391 00000	3 690	9 04	2 56E+01	26 80	
400 000		-3 720	6 6833	401 00000	3 720	9 01	2 58E+01	27 01	
410 000		-3 740	6 8500	411 00000	3 740	8 99	2 60E+01	27 15	
420 000		-3 760	7 0167	421 00000	3 760	8 97	2 61E+01	27 29	
430 000		-3 780	7 1833	431 00000	3 780	8 95	2 62E+01	27 43	
440 000		-3 800	7 3500	441 00000	3 800	8 93	2 64E+01	27 56	
450 000		-3 820	7 5167	451 00000	3 820	8 91	2 65E+01	27 70	
460 000		-3 840	7 6833	461 00000	3 840	8 89	2 67E+01	27 84	
470 000		-3 850	7 8500	471 00000	3 850	8 88	2 67E+01	27 91	
480 000		-3 870	8 0167	481 00000	3 870	8 86	2 69E+01	28 05	
490 000		-3 890	8 1833	491 00000	3 890	8 84	2 70E+01	28 19	
500 000		-3 900	8 3500	501 00000	3 900	8 83	2 71E+01	28 26	
510 000		-3 920	8 5167	511 00000	3 920	8 81	2 72E+01	28 40	
520 000		-3 930	8 6833	521 00000	3 930	8 80	2 73E+01	28 47	
530 000		-3 950	8 8500	531 00000	3 950	8 78	2 74E+01	28 61	
540 000		-3 960	9 0167	541 00000	3 960	8 77	2 75E+01	28 67	
550 000		-3 980	9 1833	551 00000	3 980	8 75	2 76E+01	28 81	
560 000		-4 000	9 3500	561 00000	4 000	8 73	2 78E+01	28 95	
570 000		-4 010	9 5167	571 00000	4 010	8 72	2 78E+01	29 02	
580 000		-4 030	9 6833	581 00000	4 030	8 70	2 80E+01	29 16	
590 000		-4 120	9 8500	591 00000	4 120	8 61	2 86E+01	29 79	
600 000		-4 220	10 0167	601 00000	4 220	8 51	2 93E+01	30 48	
610 000		-4 330	10 1833	611 00000	4 330	8 40	3 01E+01	31 24	
620 000		-4 430	10 3500	621 00000	4 430	8 30	3 08E+01	31 94	
630 000		-4 520	10 5167	631 00000	4 520	8 21	3 14E+01	32 56	
640 000		-4 600	10 6833	641 00000	4 600	8 13	3 19E+01	33 12	
650 000		-4 680	10 8500	651 00000	4 680	8 05	3 25E+01	33 67	
660 000		-4 750	11 0167	661 00000	4 750	7 98	3 30E+01	34 16	
670 000		-4 820	11 1833	671 00000	4 820	7 91	3 35E+01	34 65	
680 000		-4 890	11 3500	681 00000	4 890	7 84	3 40E+01	35 13	
690 000		-4 960	11 5167	691 00000	4 960	7 77	3 44E+01	35 62	
700 000		-5 020	11 6833	701 00000	5 020	7 71	3 49E+01	36 03	
710 000		-5 090	11 8500	711 00000	5 090	7 64	3 53E+01	36 52	
720 000		-5 150	12 0167	721 00000	5 150	7 58	3 58E+01	36 94	
730 000		-5 210	12 1833	731 00000	5 210	7 52	3 62E+01	37 35	
740 000		-5 280	12 3500	741 00000	5 280	7 45	3 67E+01	37 84	
750 000		-5 340	12 5167	751 00000	5 340	7 39	3 71E+01	38 26	
760 000		-5 400	12 6833	761 00000	5 400	7 33	3 75E+01	38 67	
770 000		-5 460	12 8500	771 00000	5 460	7 27	3 79E+01	39 09	
780 000		-5 520	13 0167	781 00000	5 520	7 21	3 83E+01	39 51	
790 000		-5 570	13 1833	791 00000	5 570	7 16	3 87E+01	39 85	
800 000		-5 620	13 3500	801 00000	5 620	7 11	3 90E+01	40 20	
810 000		-5 670	13 5167	811 00000	5 670	7 06	3 94E+01	40 55	
820 000		-5 720	13 6833	821 00000	5 720	7 01	3 97E+01	40 89	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (Liters)	water in well (Liters)
830 000	-5 770	13 8500	831 00000	5 770	6 96	4 01E+01	41 24	
840 000	-5 820	14 0167	841 00000	5 820	6 91	4 04E+01	41 59	
850 000	-5 870	14 1833	851 00000	5 870	6 86	4 08E+01	41 94	
860 000	-5 910	14 3500	861 00000	5 910	6 82	4 10E+01	42 21	
870 000	-5 950	14 5167	871 00000	5 950	6 78	4 13E+01	42 49	
880 000	-6 000	14 6833	881 00000	6 000	6 73	4 17E+01	42 84	
890 000	-6 040	14 8500	891 00000	6 040	6 69	4 19E+01	43 12	
900 000	-6 080	15 0167	901 00000	6 080	6 65	4 22E+01	43 39	
910 000	-6 120	15 1833	911 00000	6 120	6 61	4 25E+01	43 67	
920 000	-6 150	15 3500	921 00000	6 150	6 58	4 27E+01	43 88	
930 000	-6 190	15 5167	931 00000	6 190	6 54	4 30E+01	44 16	
940 000	-6 230	15 6833	941 00000	6 230	6 50	4 33E+01	44 44	
950 000	-6 260	15 8500	951 00000	6 260	6 47	4 35E+01	44 64	
960 000	-6 300	16.0167	961 00000	6 300	6 43	4 37E+01	44 92	
970 000	-6 340	16 1833	971 00000	6 340	6 39	4 40E+01	45 20	
980 000	-6 370	16 3500	981 00000	6 370	6 36	4 42E+01	45 41	
990 000	-6 410	16 5167	991 00000	6 410	6 32	4 45E+01	45 69	
1000 000	-6 440	16 6833	1001 00000	6 440	6 29	4 47E+01	45 89	
1100 000	-6 730	18 3500	1101 00000	6 730	6 00	4 67E+01	47 91	
1200 000	-6 980	20 0167	1201 00000	6 980	5 75	4 75E+01	48 69	
1300 000	-7 190	21 6833	1301 00000	7 190	5 54	4 76E+01	48 82	
1400 000	-7 360	23 3500	1401 00000	7 360	5 37	4 77E+01	48 93	
1500 000	-7 490	25 0167	1501 00000	7 490	5 24	4 78E+01	49 01	
1600 000	-7 600	26 6833	1601 00000	7 600	5 13	4 79E+01	49 08	
1700 000	-7 670	28 3500	1701 00000	7 670	5 06	4 79E+01	49 12	
1800 000	-7 730	30 0167	1801 00000	7 730	5 00	4 80E+01	49 16	
1900 000	-7 790	31 6833	1901 00000	7 790	4 94	4 80E+01	49 19	
2000 000	-7 850	33 3500	2001 00000	7 850	4 88	4 81E+01	49 23	
2100 000	-7 900	35 0167	2101 00000	7 900	4 83	4 81E+01	49 26	
2200 000	-7 940	36.6833	2201 00000	7 940	4 79	4 81E+01	49 29	
2300 000	-7 970	38 3500	2301 00000	7 970	4 76	4 81E+01	49 31	
2400 000	-8 000	40 0167	2401 00000	8 000	4 73	4 81E+01	49 32	
2500 000	-8 020	41 6833	2501 00000	8 020	4 71	4 82E+01	49 34	
2600 000	-8 030	43 3500	2601 00000	8 030	4 70	4 82E+01	49 34	
2700 000	-8 050	45 0167	2701 00000	8 050	4 68	4 82E+01	49 36	
2800 000	-8 060	46 6833	2801 00000	8 060	4 67	4 82E+01	49 36	
2900 000	-8 070	48 3500	2901 00000	8 070	4 66	4 82E+01	49 37	
3000 000	-8 080	50 0167	3001 00000	8 080	4 65	4 82E+01	49 37	
3100 000	-8 090	51 6833	3101 00000	8 090	4 64	4 82E+01	49 38	
3200 000	-8 090	53 3500	3201 00000	8 090	4 64	4 82E+01	49 38	
3300 000	-8 080	55 0167	3301 00000	8 080	4 65	4 82E+01	49 37	
3400 000	-8 070	56 6833	3401 00000	8 070	4 66	4 82E+01	49 37	
3500 000	-8 070	58 3500	3501 00000	8 070	4 66	4 82E+01	49 37	
3600 000	-8 070	60 0167	3601 00000	8 070	4 66	4 82E+01	49 37	
3700 000	-8 070	61 6833	3701 00000	8 070	4 66	4 82E+01	49 37	
3800 000	-8 070	63 3500	3801 00000	8 070	4 66	4 82E+01	49 37	
3900 000	-8 060	65 0167	3901 00000	8 060	4 67	4 82E+01	49 36	
4000 000	-8 060	66 6833	4001 00000	8 060	4 67	4 82E+01	49 36	
4100 000	-8 050	68 3500	4101 00000	8 050	4 68	4 82E+01	49 36	
4200 000	-8 050	70 0167	4201 00000	8 050	4 68	4 82E+01	49 36	
4300 000	-8 040	71 6833	4301 00000	8 040	4 69	4 82E+01	49 35	
4400 000	-8 040	73 3500	4401 00000	8 040	4 69	4 82E+01	49 35	
4500 000	-8 030	75 0167	4501 00000	8 030	4 70	4 82E+01	49 34	
4600 000	-8 020	76 6833	4601 00000	8 020	4 71	4 82E+01	49 34	
4700 000	-8 010	78 3500	4701 00000	8 010	4 72	4 82E+01	49 33	
4800 000	-7 990	80 0167	4801 00000	7 990	4 74	4 81E+01	49 32	
4900 000	-7 980	81 6833	4901 00000	7 980	4 75	4 81E+01	49 31	
5000 000	-7 960	83 3500	5001 00000	7 960	4 77	4 81E+01	49 30	
5100 000	-7 930	85 0167	5101 00000	7 930	4 80	4 81E+01	49 28	
5200 000	-7 920	86 6833	5201 00000	7 920	4 81	4 81E+01	49 27	
5300 000	-7 910	88 3500	5301 00000	7 910	4 82	4 81E+01	49 27	
5400 000	-7 910	90 0167	5401 00000	7 910	4 82	4 81E+01	49 27	
5500 000	-7 910	91 6833	5501 00000	7 910	4 82	4 81E+01	49 27	
5600 000	-7 920	93 3500	5601 00000	7 920	4 81	4 81E+01	49 27	
5700 000	-7 930	95 0167	5701 00000	7 930	4 80	4 81E+01	49 28	
5800 000	-7 930	96 6833	5801 00000	7 930	4 80	4 81E+01	49 28	
5900 000	-7 930	98 3500	5901 00000	7 930	4 80	4 81E+01	49 28	
6000 000	-7 940	100 0167	6001 00000	7 940	4 79	4 81E+01	49 29	
6100 000	-7 940	101 6833	6101 00000	7 940	4 79	4 81E+01	49 29	
6200 000	-7 930	103 3500	6201 00000	7 930	4 80	4 81E+01	49 28	
6300 000	-7 930	105 0167	6301 00000	7 930	4 80	4 81E+01	49 28	
6400 000	-7 940	106 6833	6401 00000	7 940	4 79	4 81E+01	49 29	

Input data							Cumulative Inflow (Liters)	Volume of water in well (Liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
6500 000	-7 930	108 3500	6501 00000	7 930	4 80		4 81E+01	49 28
6600 000	-7 930	110 0167	6601 00000	7 930	4 80		4 81E+01	49 28
6700 000	-7 930	111 6833	6701 00000	7 930	4 80		4 81E+01	49 28
6800 000	-7 940	113 3500	6801 00000	7 940	4 79		4 81E+01	49 29
6900 000	-7 940	115 0167	6901 00000	7 940	4 79		4 81E+01	49 29
7000 000	-7 930	116 6833	7001 00000	7 930	4 80		4 81E+01	49 28
7100 000	-7 930	118 3500	7101 00000	7 930	4 80		4 81E+01	49 28
7200 000	-7 920	120 0167	7201 00000	7 920	4 81		4 81E+01	49 27
7300 000	-7 920	121 6833	7301 00000	7 920	4 81		4 81E+01	49 27
7400 000	-7 910	123 3500	7401 00000	7 910	4 82		4 81E+01	49 27
7500 000	-7 890	125 0167	7501 00000	7 890	4 84		4 81E+01	49 26
7600 000	-7 870	126 6833	7601 00000	7 870	4 86		4 81E+01	49 24
7700 000	-7 840	128 3500	7701 00000	7 840	4 89		4 80E+01	49 23
7800 000	-7 830	130 0167	7801 00000	7 830	4 90		4 80E+01	49 22
7900 000	-7 830	131 6833	7901 00000	7 830	4 90		4 80E+01	49 22
8000 000	-7 830	133 3500	8001 00000	7 830	4 90		4 80E+01	49 22
8100 000	-7 830	135 0167	8101 00000	7 830	4 90		4 80E+01	49 22
8200 000	-7 820	136 6833	8201 00000	7 820	4 91		4 80E+01	49 21
8300 000	-7 820	138 3500	8301 00000	7 820	4 91		4 80E+01	49 21
8400 000	-7 810	140 0167	8401 00000	7 810	4 92		4 80E+01	49 21
8500 000	-7 810	141 6833	8501 00000	7 810	4 92		4 80E+01	49 21

F 0703

Well No. 36191

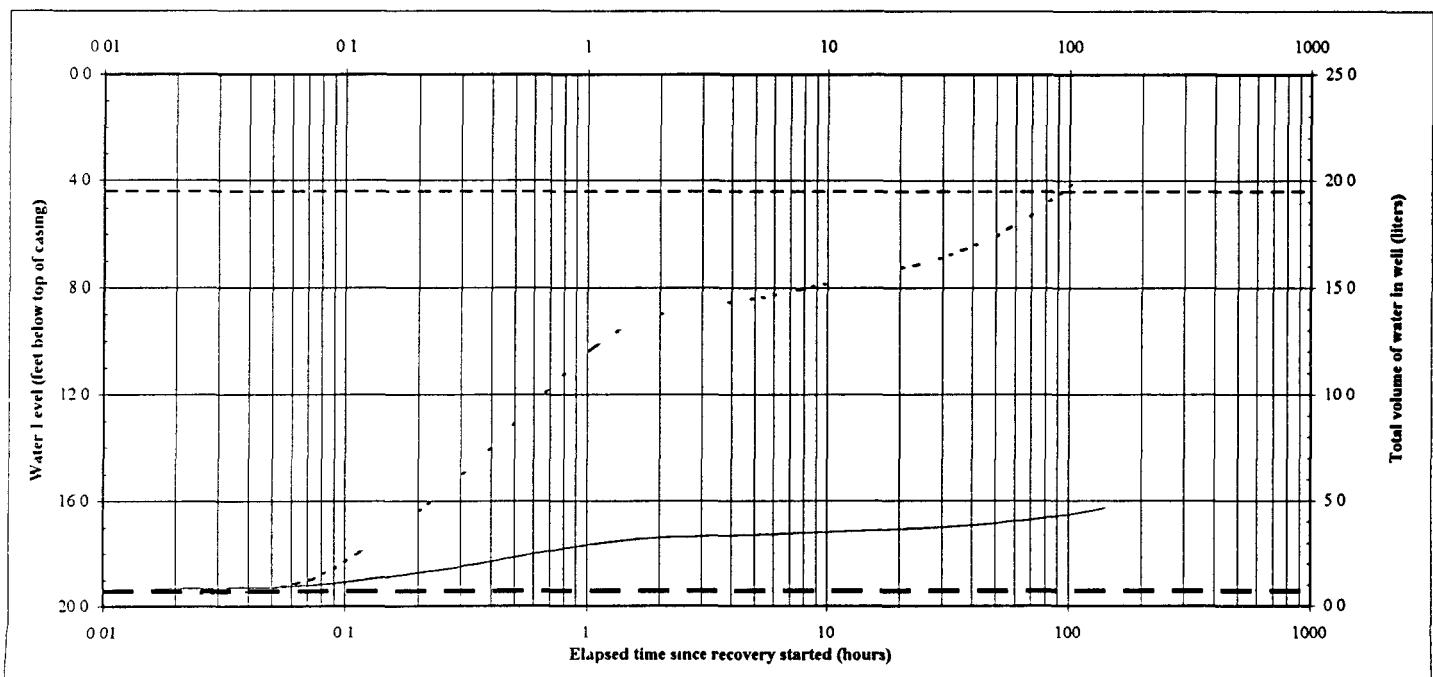
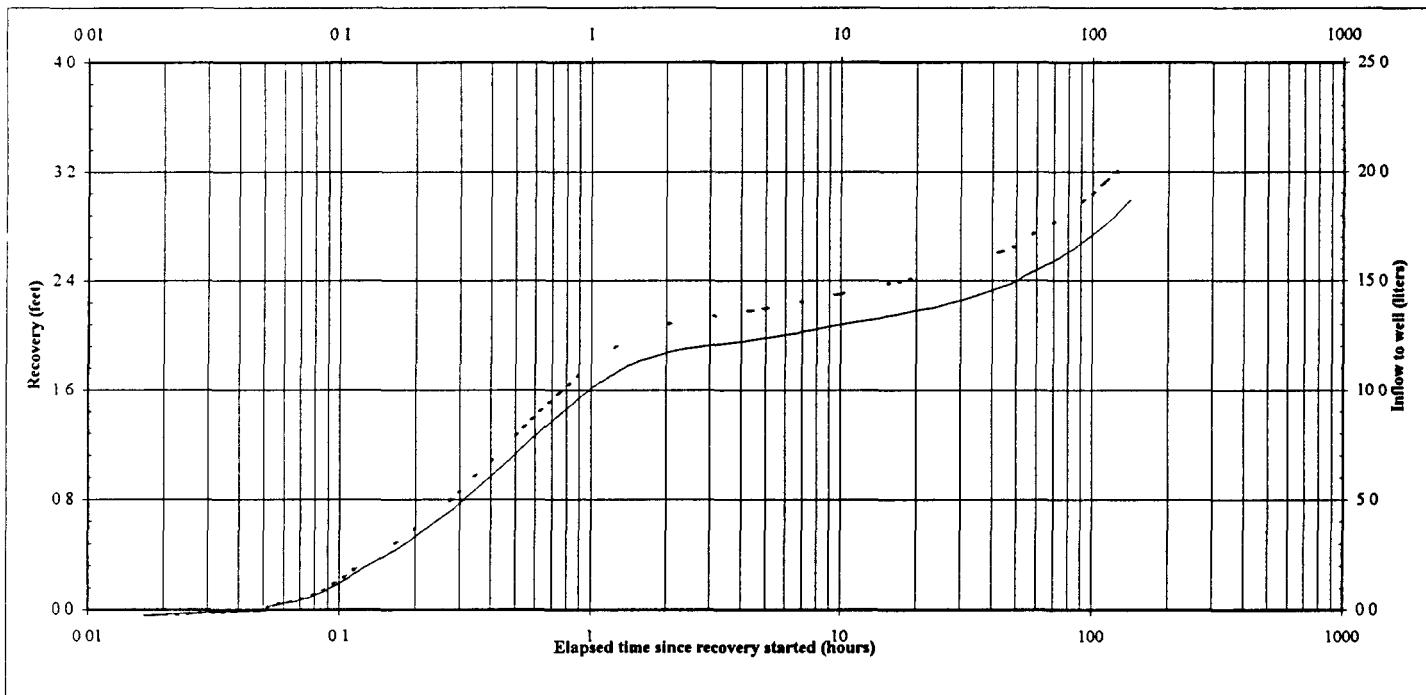
Measured recovery after sampling

Date: 17-May-94

2nd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No

36191

Date Sampled

2nd quarter

17-May-94

	08 57	Delay	1 00	Minutes
Set transducer time	08 58			
Static water level (pre sampling)	4.4	feet below top of casing		
Final water level (post recovery)	16.3	feet below top of casing		
Last recorded water level	13.0	feet below transducer		
Transducer reference depth	19.3	feet below top of casing		
Bottom of well	19.4	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	19.3	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.8	liters		
Well diameter	11.0	inches	0.917	feet
Well radius	5.5	inches	0.458	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	7.4	feet below top of casing	0.62 6.94	liters/foot liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 041	0 0167	-0 041	19 31	-2 85E-01	0 49
0 003	0 041	0 0167	-0 041	19 31	-2 85E-01	0 49
0 007	0 041	0 0168	-0 041	19 31	-2 85E-01	0 49
0 010	0 041	0 0168	-0 041	19 31	-2 85E-01	0 49
0 013	0 041	0 0169	-0 041	19 31	-2 85E-01	0 49
0 017	0 041	0 0169	-0 041	19 31	-2 85E-01	0 49
0 020	0 041	0 0170	-0 041	19 31	-2 85E-01	0 49
0 023	0 041	0 0171	-0 041	19 31	-2 85E-01	0 49
0 027	0 041	0 0171	-0 041	19 31	2 85E-01	0 49
0 030	0 041	0 0172	-0 041	19 31	-2 85E-01	0 49
0 033	0 041	0 0172	-0 041	19 31	-2 85E-01	0 49
0 037	0 041	0 0173	-0 041	19 31	-2 85E-01	0 49
0 040	0 041	0 0173	-0 041	19 31	-2 85E-01	0 49
0 043	0 041	0 0174	-0 041	19 31	-2 85E-01	0 49
0 047	0 041	0 0174	-0 041	19 31	2 85E-01	0 49
0 050	0 041	0 0175	-0 041	19 31	-2 85E-01	0 49
0 053	0 041	0 0176	-0 041	19 31	2 85E-01	0 49
0 057	0 041	0 0176	-0 041	19 31	-2 85E-01	0 49
0 060	0 041	0 0177	-0 041	19 31	-2 85E-01	0 49
0 063	0 041	0 0177	-0 041	19 31	-2 85E-01	0 49
0 067	0 041	0 0178	-0 041	19 31	-2 85E-01	0 49
0 070	0 041	0 0178	-0 041	19 31	-2 85E-01	0 49
0 073	0 041	0 0179	-0 041	19 31	2 85E-01	0 49
0 077	0 041	0 0179	0 041	19 31	-2 85E-01	0 49
0 080	0 041	0 0180	-0 041	19 31	2 85E-01	0 49
0 083	0 041	0 0181	-0 041	19 31	-2 85E-01	0 49
0 087	0 041	0 0181	-0 041	19 31	2 85E-01	0 49
0 090	0 041	0 0182	-0 041	19 31	2 85E-01	0 49
0 093	0 041	0 0182	-0 041	19 31	-2 85E-01	0 49
0 097	0 041	0 0183	-0 041	19 31	-2 85E-01	0 49
0 100	0 041	0 0183	-0 041	19 31	2 85E-01	0 49
0 103	0 037	0 0184	-0 037	19 30	2 57E-01	0 52
0 107	0 037	0 0184	-0 037	19 30	-2 57E-01	0 52
0 110	0 037	0 0185	-0 037	19 30	2 57E-01	0 52
0 113	0 037	0 0186	-0 037	19 30	2 57E-01	0 52
0 117	0 037	0 0186	-0 037	19 30	-2 57E-01	0 52
0 120	0 037	0 0187	-0 037	19 30	-2 57E-01	0 52
0 123	0 037	0 0187	-0 037	19 30	-2 57E-01	0 52
0 127	0 037	0 0188	-0 037	19 30	-2 57E-01	0 52

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 130	0 037	0 0188	1 13000	-0 037	19 30	-2 57E-01	0 52	
0 133	0 037	0 0189	1 13330	-0 037	19 30	-2 57E-01	0 52	
0 137	0 037	0 0189	1 13660	-0 037	19 30	-2 57E-01	0 52	
0 140	0 037	0 0190	1 14000	-0 037	19 30	-2 57E-01	0 52	
0 143	0 037	0 0191	1 14330	-0 037	19 30	-2 57E-01	0 52	
0 147	0 037	0 0191	1 14660	-0 037	19 30	-2 57E-01	0 52	
0 150	0 037	0 0192	1 15000	-0 037	19 30	-2 57E-01	0 52	
0 153	0 037	0 0192	1 15330	-0 037	19 30	2 57E-01	0 52	
0 157	0 037	0 0193	1 15660	-0 037	19 30	2 57E-01	0 52	
0 160	0 037	0 0193	1 16000	-0 037	19 30	-2 57E-01	0 52	
0 163	0 037	0 0194	1 16330	-0 037	19 30	-2 57E-01	0 52	
0 167	0 037	0 0194	1 16660	-0 037	19 30	-2 57E-01	0 52	
0 170	0 037	0 0195	1 17000	-0 037	19 30	-2 57E-01	0 52	
0 173	0 037	0 0196	1 17330	-0 037	19 30	2 57E-01	0 52	
0 177	0 037	0 0196	1 17660	-0 037	19 30	-2 57E-01	0 52	
0 180	0 037	0 0197	1 18000	-0 037	19 30	-2 57E-01	0 52	
0 183	0 037	0 0197	1 18330	-0 037	19 30	2 57E-01	0 52	
0 187	0 037	0 0198	1 18660	-0 037	19 30	-2 57E-01	0 52	
0 190	0 037	0 0198	1 19000	-0 037	19 30	-2 57E-01	0 52	
0 193	0 037	0 0199	1 19330	-0 037	19 30	-2 57E-01	0 52	
0 197	0 037	0 0199	1 19660	-0 037	19 30	-2 57E-01	0 52	
0 200	0 034	0 0200	1 20000	-0 034	19 30	-2 36E-01	0 54	
0 203	0 037	0 0201	1 20330	-0 037	19 30	-2 57E-01	0 52	
0 207	0 037	0 0201	1 20660	-0 037	19 30	-2 57E-01	0 52	
0 210	0 037	0 0202	1 21000	-0 037	19 30	2 57E-01	0 52	
0 213	0 037	0 0202	1 21330	-0 037	19 30	2 57E-01	0 52	
0 217	0 037	0 0203	1 21660	-0 037	19 30	-2 57E-01	0 52	
0 220	0 037	0 0203	1 22000	-0 037	19 30	-2 57E-01	0 52	
0 223	0 034	0 0204	1 22330	-0 034	19 30	-2 36E-01	0 54	
0 227	0 034	0 0204	1 22660	-0 034	19 30	-2 36E-01	0 54	
0 230	0 034	0 0205	1 23000	-0 034	19 30	-2 36E-01	0 54	
0 233	0 034	0 0206	1 23330	-0 034	19 30	-2 36E-01	0 54	
0 237	0 034	0 0206	1 23660	-0 034	19 30	-2 36E-01	0 54	
0 240	0 034	0 0207	1 24000	-0 034	19 30	-2 36E-01	0 54	
0 243	0 034	0 0207	1 24330	-0 034	19 30	-2 36E-01	0 54	
0 247	0 034	0 0208	1 24660	-0 034	19 30	-2 36E-01	0 54	
0 250	0 034	0 0208	1 25000	-0 034	19 30	-2 36E 01	0 54	
0 253	0 034	0 0209	1 25330	-0 034	19 30	2 36E-01	0 54	
0 257	0 034	0 0209	1 25660	-0 034	19 30	-2 36E-01	0 54	
0 260	0 034	0 0210	1 26000	-0 034	19 30	-2 36E-01	0 54	
0 263	0 034	0 0211	1 26330	-0 034	19 30	-2 36E-01	0 54	
0 267	0 034	0 0211	1 26660	-0 034	19 30	-2 36E-01	0 54	
0 270	0 034	0 0212	1 27000	-0 034	19 30	-2 36E-01	0 54	
0 273	0 034	0 0212	1 27330	-0 034	19 30	-2 36E-01	0 54	
0 277	0 034	0 0213	1 27660	-0 034	19 30	-2 36E-01	0 54	
0 280	0 034	0 0213	1 28000	-0 034	19 30	-2 36E-01	0 54	
0 283	0 034	0 0214	1 28330	-0 034	19 30	-2 36E-01	0 54	
0 287	0 034	0 0214	1 28660	-0 034	19 30	-2 36E-01	0 54	
0 290	0 031	0 0215	1 29000	-0 031	19 30	-2 15E-01	0 56	
0 293	0 031	0 0216	1 29330	-0 031	19 30	-2 15E-01	0 56	
0 297	0 031	0 0216	1 29660	-0 031	19 30	-2 15E-01	0 56	
0 300	0 034	0 0217	1 30000	-0 034	19 30	2 36E-01	0 54	
0 303	0 031	0 0217	1 30330	-0 031	19 30	-2 15E 01	0 56	
0 307	0 034	0 0218	1 30660	-0 034	19 30	2 36E-01	0 54	
0 310	0 031	0 0218	1 31000	-0 031	19 30	-2 15E-01	0 56	
0 313	0 031	0 0219	1 31330	-0 031	19 30	-2 15E-01	0 56	
0 317	0 031	0 0219	1 31660	-0 031	19 30	-2 15E-01	0 56	
0 320	0 031	0 0220	1 32000	-0 031	19 30	-2 15E-01	0 56	
0 323	0 031	0 0221	1 32330	-0 031	19 30	-2 15E 01	0 56	
0 327	0 031	0 0221	1 32660	-0 031	19 30	2 15E-01	0 56	
0 330	0 031	0 0222	1 33000	-0 031	19 30	-2 15E-01	0 56	
0 333	0 031	0 0222	1 33330	-0 031	19 30	-2 15E-01	0 56	
0 350	0 031	0 0225	1 35000	-0 031	19 30	2 15E-01	0 56	
0 367	0 031	0 0228	1 36660	-0 031	19 30	-2 15E-01	0 56	
0 383	0 031	0 0231	1 38330	-0 031	19 30	-2 15E-01	0 56	
0 400	0 028	0 0233	1 40000	-0 028	19 30	1 94E-01	0 58	
0 417	0 028	0 0236	1 41660	-0 028	19 30	1 94E-01	0 58	
0 433	0 028	0 0239	1 43330	-0 028	19 30	1 94E-01	0 58	
0 450	0 028	0 0242	1 45000	-0 028	19 30	-1 94E-01	0 58	
0 467	0 028	0 0244	1 46660	-0 028	19 30	-1 94E-01	0 58	
0 483	0 028	0 0247	1 48330	-0 028	19 30	-1 94E-01	0 58	
0 500	0 028	0 0250	1 50000	-0 028	19 30	-1 94E-01	0 58	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 517	0 025	0 0253	1 51660	-0 025	19 29	-1 74E-01	0 60	
0 533	0 025	0 0256	1 53330	-0 025	19 29	-1 74E-01	0 60	
0 550	0 025	0 0258	1 55000	-0 025	19 29	-1 74E-01	0 60	
0 567	0 025	0 0261	1 56660	-0 025	19 29	-1 74E-01	0 60	
0 583	0 025	0 0264	1 58330	-0 025	19 29	-1 74E-01	0 60	
0 600	0 025	0 0267	1 60000	-0 025	19 29	-1 74E-01	0 60	
0 617	0 025	0 0269	1 61660	-0 025	19 29	-1 74E-01	0 60	
0 633	0 025	0 0272	1 63330	-0 025	19 29	-1 74E-01	0 60	
0 650	0 022	0 0275	1 65000	-0 022	19 29	-1 53E-01	0 62	
0 667	0 022	0 0278	1 66660	-0 022	19 29	-1 53E-01	0 62	
0 683	0 022	0 0281	1 68330	-0 022	19 29	-1 53E-01	0 62	
0 700	0 022	0 0283	1 70000	-0 022	19 29	1 53E-01	0 62	
0 717	0 022	0 0286	1 71660	-0 022	19 29	-1 53E-01	0 62	
0 733	0 022	0 0289	1 73330	-0 022	19 29	1 53E-01	0 62	
0 750	0 022	0 0292	1 75000	-0 022	19 29	-1 53E-01	0 62	
0 767	0 018	0 0294	1 76660	-0 018	19 29	1 25E-01	0 65	
0 783	0 018	0 0297	1 78330	-0 018	19 29	-1 25E-01	0 65	
0 800	0 018	0 0300	1 80000	-0 018	19 29	-1 25E-01	0 65	
0 817	0 018	0 0303	1 81660	-0 018	19 29	1 25E-01	0 65	
0 833	0 018	0 0306	1 83330	-0 018	19 29	-1 25E-01	0 65	
0 850	0 018	0 0308	1 85000	-0 018	19 29	-1 25E-01	0 65	
0 867	0 018	0 0311	1 86660	-0 018	19 29	-1 25E-01	0 65	
0 883	0 018	0 0314	1 88330	-0 018	19 29	-1 25E-01	0 65	
0 900	0 018	0 0317	1 90000	-0 018	19 29	-1 25E-01	0 65	
0 917	0 018	0 0319	1 91660	-0 018	19 29	1 25E-01	0 65	
0 933	0 018	0 0322	1 93330	0 018	19 29	-1 25E-01	0 65	
0 950	0 018	0 0325	1 95000	-0 018	19 29	-1 25E-01	0 65	
0 967	0 018	0 0328	1 96660	-0 018	19 29	-1 25E-01	0 65	
0 983	0 018	0 0331	1 98330	-0 018	19 29	-1 25E-01	0 65	
1 000	0 015	0 0333	2 00000	-0 015	19 28	-1 04E-01	0 67	
1 200	0 012	0 0367	2 20000	-0 012	19 28	8 33E-02	0 69	
1 400	0 012	0 0400	2 40000	-0 012	19 28	-8 33E-02	0 69	
1 600	0 009	0 0433	2 60000	-0 009	19 28	-6 25E-02	0 72	
1 800	0 009	0 0467	2 80000	-0 009	19 28	-6 25E-02	0 72	
2 000	0 009	0 0500	3 00000	-0 009	19 28	-6 25E-02	0 72	
2 200	-0 025	0 0533	3 20000	0 025	19 24	1 74E-01	0 95	
2 400	0 034	0 0567	3 40000	0 034	19 23	2 36E-01	1 01	
2 600	-0 044	0 0600	3 60000	0 044	19 22	3 05E-01	1 08	
2 800	-0 05	0 0633	3 80000	0 050	19 22	3 47E-01	1 12	
3 000	-0 056	0 0667	4 00000	0 056	19 21	3 89E-01	1 17	
3 200	-0 066	0 0700	4 20000	0 066	19 20	4 58E-01	1 24	
3 400	0 075	0 0733	4 40000	0 075	19 19	5 21E-01	1 30	
3 600	-0 088	0 0767	4 60000	0 088	19 18	6 11E 01	1 39	
3 800	-0 104	0 0800	4 80000	0 104	19 16	7 22E 01	1 50	
4 000	-0 12	0 0833	5 00000	0 120	19 15	8 33E-01	1 61	
4 200	-0 132	0 0867	5 20000	0 132	19 14	9 16E-01	1 69	
4 400	-0 148	0 0900	5 40000	0 148	19 12	1 03E+00	1 81	
4 600	-0 164	0 0933	5 60000	0 164	19 10	1 14E+00	1 92	
4 800	-0 176	0 0967	5 80000	0 176	19 09	1 22E+00	2 00	
5 000	-0 192	0 1000	6 00000	0 192	19 08	1 33E+00	2 11	
5 200	-0 205	0 1033	6 20000	0 205	19 06	1 42E+00	2 20	
5 400	-0 217	0 1067	6 40000	0 217	19 05	1 51E+00	2 28	
5 600	0 233	0 1100	6 60000	0 233	19 03	1 62E+00	2 40	
5 800	-0 252	0 1133	6 80000	0 252	19 02	1 75E+00	2 53	
6 000	0 265	0 1167	7 00000	0 265	19 00	1 84E+00	2 62	
6 200	-0 277	0 1200	7 20000	0 277	18 99	1 92E+00	2 70	
6 400	-0 293	0 1233	7 40000	0 293	18 97	2 03E+00	2 81	
6 600	0 309	0 1267	7 60000	0 309	18 96	2 15E+00	2 92	
6 800	-0 319	0 1300	7 80000	0 319	18 95	2 21E+00	2 99	
7 000	-0 331	0 1333	8 00000	0 331	18 94	2 30E+00	3 08	
7 200	-0 341	0 1367	8 20000	0 341	18 93	2 37E+00	3 15	
7 400	-0 35	0 1400	8 40000	0 350	18 92	2 43E+00	3 21	
7 600	-0 363	0 1433	8 60000	0 363	18 90	2 52E+00	3 30	
7 800	0 372	0 1467	8 80000	0 372	18 90	2 58E+00	3 36	
8 000	0 382	0 1500	9 00000	0 382	18 89	2 65E+00	3 43	
8 200	-0 391	0 1533	9 20000	0 391	18 88	2 71E+00	3 49	
8 400	-0 404	0 1567	9 40000	0 404	18 86	2 80E+00	3 58	
8 600	0 413	0 1600	9 60000	0 413	18 85	2 87E+00	3 65	
8 800	-0 423	0 1633	9 80000	0 423	18 84	2 94E+00	3 71	
9 000	0 432	0 1667	10 00000	0 432	18 84	3 00E+00	3 78	
9 200	0 442	0 1700	10 20000	0 442	18 83	3 07E+00	3 85	
9 400	-0 451	0 1733	10 40000	0 451	18 82	3 13E+00	3 91	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
9 600	-0 464	0 1767	10 60000	0 464	18 80	3 22E+00	4 00	
9 800	-0 473	0 1800	10 80000	0 473	18 79	3 28E+00	4 06	
10 000	-0 483	0 1833	11 00000	0 483	18 78	3 35E+00	4 13	
12 000	-0 578	0 2167	13 00000	0 578	18 69	4 01E+00	4 79	
14 000	-0 657	0 2500	15 00000	0 657	18 61	4 56E+00	5 34	
16 000	-0 732	0 2833	17 00000	0 732	18 54	5 08E+00	5 86	
18 000	-0 811	0 3167	19 00000	0 811	18 46	5 63E+00	6 41	
20 000	-0 878	0 3500	21 00000	0 878	18 39	6 10E+00	6 87	
22 000	-0 938	0 3833	23 00000	0 938	18 33	6 51E+00	7 29	
24 000	-0 995	0 4167	25 00000	0 995	18 27	6 91E+00	7 69	
26 000	-1 055	0 4500	27 00000	1 055	18 21	7 32E+00	8 10	
28 000	-1 102	0 4833	29 00000	1 102	18 17	7 65E+00	8 43	
30 000	-1 159	0 5167	31 00000	1 159	18 11	8 05E+00	8 82	
32 000	-1 2	0 5500	33 00000	1 200	18 07	8 33E+00	9 11	
34 000	-1 244	0 5833	35 00000	1 244	18 02	8 64E+00	9 41	
36 000	-1 282	0 6167	37 00000	1 282	17 99	8 90E+00	9 68	
38 000	-1 32	0 6500	39 00000	1 320	17 95	9 16E+00	9 94	
40 000	-1 355	0 6833	41 00000	1 355	17 91	9 41E+00	10 19	
42 000	-1 386	0 7167	43 00000	1 386	17 88	9 62E+00	10 40	
44 000	1 418	0 7500	45 00000	1 418	17 85	9 85E+00	10 62	
46 000	-1 446	0 7833	47 00000	1 446	17 82	1 00E+01	10 82	
48 000	-1 475	0 8167	49 00000	1 475	17 79	1 02E+01	11 02	
50 000	-1 5	0 8500	51 00000	1 500	17 77	1 04E+01	11 19	
52 000	-1 532	0 8833	53 00000	1 532	17 74	1 06E+01	11 41	
54 000	1 554	0 9167	55 00000	1 554	17 71	1 08E+01	11 57	
56 000	1 576	0 9500	57 00000	1 576	17 69	1 09E+01	11 72	
58 000	-1 598	0 9833	59 00000	1 598	17 67	1 11E+01	11 87	
60 000	1 62	1 0167	61 00000	1 620	17 65	1 12E+01	12 03	
62 000	-1 636	1 0500	63 00000	1 636	17 63	1 14E+01	12 14	
64 000	-1 655	1 0833	65 00000	1 655	17 61	1 15E+01	12 27	
66 000	-1 667	1 1167	67 00000	1 667	17 60	1 16E+01	12 35	
68 000	-1 686	1 1500	69 00000	1 686	17 58	1 17E+01	12 48	
70 000	1 696	1 1833	71 00000	1 696	17 57	1 18E+01	12 55	
72 000	-1 712	1 2167	73 00000	1 712	17 56	1 19E+01	12 66	
74 000	-1 721	1 2500	75 00000	1 721	17 55	1 19E+01	12 73	
76 000	1 737	1 2833	77 00000	1 737	17 53	1 21E+01	12 84	
78 000	-1 746	1 3167	79 00000	1 746	17 52	1 21E+01	12 90	
80 000	-1 759	1 3500	81 00000	1 759	17 51	1 22E+01	12 99	
82 000	-1 769	1 3833	83 00000	1 769	17 50	1 23E+01	13 06	
84 000	-1 778	1 4167	85 00000	1 778	17 49	1 23E+01	13 12	
86 000	-1 784	1 4500	87 00000	1 784	17 48	1 24E+01	13 16	
88 000	1 794	1 4833	89 00000	1 794	17 47	1 25E+01	13 23	
90 000	-1 803	1 5167	91 00000	1 803	17 46	1 25E+01	13 30	
92 000	-1 81	1 5500	93 00000	1 810	17 46	1 26E+01	13 34	
94 000	-1 816	1 5833	95 00000	1 816	17 45	1 26E+01	13 39	
96 000	-1 822	1 6167	97 00000	1 822	17 45	1 27E+01	13 43	
98 000	-1 825	1 6500	99 00000	1 825	17 44	1 27E+01	13 45	
100 000	-1 832	1 6833	101 00000	1 832	17 44	1 27E+01	13 50	
120 000	-1 876	2 0167	121 00000	1 876	17 39	1 30E+01	13 80	
140 000	-1 901	2 3500	141 00000	1 901	17 37	1 32E+01	13 98	
160 000	-1 914	2 6833	161 00000	1 914	17 35	1 33E+01	14 07	
180 000	-1 93	3 0167	181 00000	1 930	17 34	1 34E+01	14 18	
200 000	1 939	3 3500	201 00000	1 939	17 33	1 35E+01	14 24	
220 000	1 949	3 6833	221 00000	1 949	17 32	1 35E+01	14 31	
240 000	-1 958	4 0167	241 00000	1 958	17 31	1 36E+01	14 37	
260 000	1 964	4 3500	261 00000	1 964	17 30	1 36E+01	14 41	
280 000	-1 974	4 6833	281 00000	1 974	17 29	1 37E+01	14 48	
300 000	-1 983	5 0167	301 00000	1 983	17 28	1 38E+01	14 55	
320 000	1 99	5 3500	321 00000	1 990	17 28	1 38E+01	14 59	
340 000	-1 996	5 6833	341 00000	1 996	17 27	1 39E+01	14 64	
360 000	-2 005	6 0167	361 00000	2 005	17 26	1 39E+01	14 70	
380 000	-2 012	6 3500	381 00000	2 012	17 26	1 40E+01	14 75	
400 000	-2 018	6 6833	401 00000	2 018	17 25	1 40E+01	14 79	
420 000	-2 028	7 0167	421 00000	2 028	17 24	1 41E+01	14 86	
440 000	-2 034	7 3500	441 00000	2 034	17 23	1 41E+01	14 90	
460 000	-2 04	7 6833	461 00000	2 040	17 23	1 42E+01	14 94	
480 000	-2 047	8 0167	481 00000	2 047	17 22	1 42E+01	14 99	
500 000	2 053	8 3500	501 00000	2 053	17 21	1 43E+01	15 03	
520 000	-2 062	8 6833	521 00000	2 062	17 21	1 43E+01	15 09	
540 000	-2 065	9 0167	541 00000	2 065	17 20	1 43E+01	15 12	
560 000	2 072	9 3500	561 00000	2 072	17 20	1 44E+01	15 16	
580 000	-2 075	9 6833	581 00000	2 075	17 19	1 44E+01	15 18	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
600 000	-2 078	10 0167	601 00000	2 078	17 19		1 44E+01	15 21
620 000	-2 084	10 3500	621 00000	2 084	17 18		1 45E+01	15 25
640 000	2 088	10 6833	641 00000	2 088	17 18		1 45E+01	15 27
660 000	-2 091	11 0167	661 00000	2 091	17 18		1 45E+01	15 30
680 000	-2 097	11 3500	681 00000	2 097	17 17		1 46E+01	15 34
700 000	-2 1	11 6833	701 00000	2 100	17 17		1 46E+01	15 36
720 000	-2 103	12 0167	721 00000	2 103	17 16		1 46E+01	15 38
740 000	-2 107	12 3500	741 00000	2 107	17 16		1 46E+01	15 41
760 000	-2 11	12 6833	761 00000	2 110	17 16		1 46E+01	15 43
780 000	-2 113	13 0167	781 00000	2 113	17 15		1 47E+01	15 45
800 000	-2 116	13 3500	801 00000	2 116	17 15		1 47E+01	15 47
820 000	-2 119	13 6833	821 00000	2 119	17 15		1 47E+01	15 49
840 000	-2 122	14 0167	841 00000	2 122	17 15		1 47E+01	15 51
860 000	-2 129	14 3500	861 00000	2 129	17 14		1 48E+01	15 56
880 000	-2 132	14 6833	881 00000	2 132	17 14		1 48E+01	15 58
900 000	-2 138	15 0167	901 00000	2 138	17 13		1 48E+01	15 62
920 000	-2 141	15 3500	921 00000	2 141	17 13		1 49E+01	15 64
940 000	-2 144	15 6833	941 00000	2 144	17 12		1 49E+01	15 66
960 000	-2 148	16 0167	961 00000	2 148	17 12		1 49E+01	15 69
980 000	-2 148	16 3500	981 00000	2 148	17 12		1 49E+01	15 69
1000 000	-2 151	16 6833	1001 00000	2 151	17 12		1 49E+01	15 71
1200 000	-2 182	20 0167	1201 00000	2 182	17 09		1 51E+01	15 93
1400 000	-2 204	23 3500	1401 00000	2 204	17 06		1 53E+01	16 08
1600 000	-2 233	26 6833	1601 00000	2 233	17 03		1 55E+01	16 28
1800 000	-2 255	30 0167	1801 00000	2 255	17 01		1 57E+01	16 43
2000 000	-2 283	33 3500	2001 00000	2 283	16 98		1 59E+01	16 63
2200 000	-2 309	36 6833	2201 00000	2 309	16 96		1 60E+01	16 81
2400 000	-2 334	40 0167	2401 00000	2 334	16 93		1 62E+01	16 98
2600 000	-2 356	43 3500	2601 00000	2 356	16 91		1 64E+01	17 14
2800 000	-2 375	46 6833	2801 00000	2 375	16 89		1 65E+01	17 27
3000 000	-2 397	50 0167	3001 00000	2 397	16 87		1 66E+01	17 42
3200 000	-2 432	53 3500	3201 00000	2 432	16 84		1 69E+01	17 66
3400 000	-2 457	56 6833	3401 00000	2 457	16 81		1 71E+01	17 84
3600 000	-2 479	60 0167	3601 00000	2 479	16 79		1 72E+01	17 99
3800 000	-2 501	63 3500	3801 00000	2 501	16 77		1 74E+01	18 14
4000 000	-2 524	66 6833	4001 00000	2 524	16 74		1 75E+01	18 30
4200 000	2 546	70 0167	4201 00000	2 546	16 72		1 77E+01	18 45
4400 000	-2 565	73 3500	4401 00000	2 565	16 70		1 78E+01	18 59
4600 000	-2 587	76 6833	4601 00000	2 587	16 68		1 80E+01	18 74
4800 000	-2 609	80 0167	4801 00000	2 609	16 66		1 81E+01	18 89
5000 000	-2 631	83 3500	5001 00000	2 631	16 64		1 83E+01	19 04
5200 000	2 653	86 6833	5201 00000	2 653	16 61		1 84E+01	19 20
5400 000	-2 672	90 0167	5401 00000	2 672	16 60		1 86E+01	19 33
5600 000	-2 694	93 3500	5601 00000	2 694	16 57		1 87E+01	19 48
5800 000	-2 713	96 6833	5801 00000	2 713	16 55		1 88E+01	19 61
6000 000	-2 732	100 0167	6001 00000	2 732	16 54		1 90E+01	19 75
6200 000	-2 754	103 3500	6201 00000	2 754	16 51		1 91E+01	19 90
6400 000	-2 776	106 6833	6401 00000	2 776	16 49		1 93E+01	20 05
6600 000	2 798	110 0167	6601 00000	2 798	16 47		1 94E+01	20 20
6800 000	-2 817	113 3500	6801 00000	2 817	16 45		1 96E+01	20 34
7000 000	-2 839	116 6833	7001 00000	2 839	16 43		1 97E+01	20 49
7200 000	-2 858	120 0167	7201 00000	2 858	16 41		1 98E+01	20 62
7400 000	2 874	123 3500	7401 00000	2 874	16 39		2 00E+01	20 73
7600 000	-2 899	126 6833	7601 00000	2 899	16 37		2 01E+01	20 91
7800 000	-2 922	130 0167	7801 00000	2 922	16 35		2 03E+01	21 07
8000 000	-2 941	133 3500	8001 00000	2 941	16 33		2 04E+01	21 20
8200 000	-2 963	136 6833	8201 00000	2 963	16 30		2 06E+01	21 35
8400 000	2 982	140 0167	8401 00000	2 982	16 29		2 07E+01	21 48
8600 000	-2 997	143 3500	8601 00000	2 997	16 27		2 08E+01	21 59

F 0709

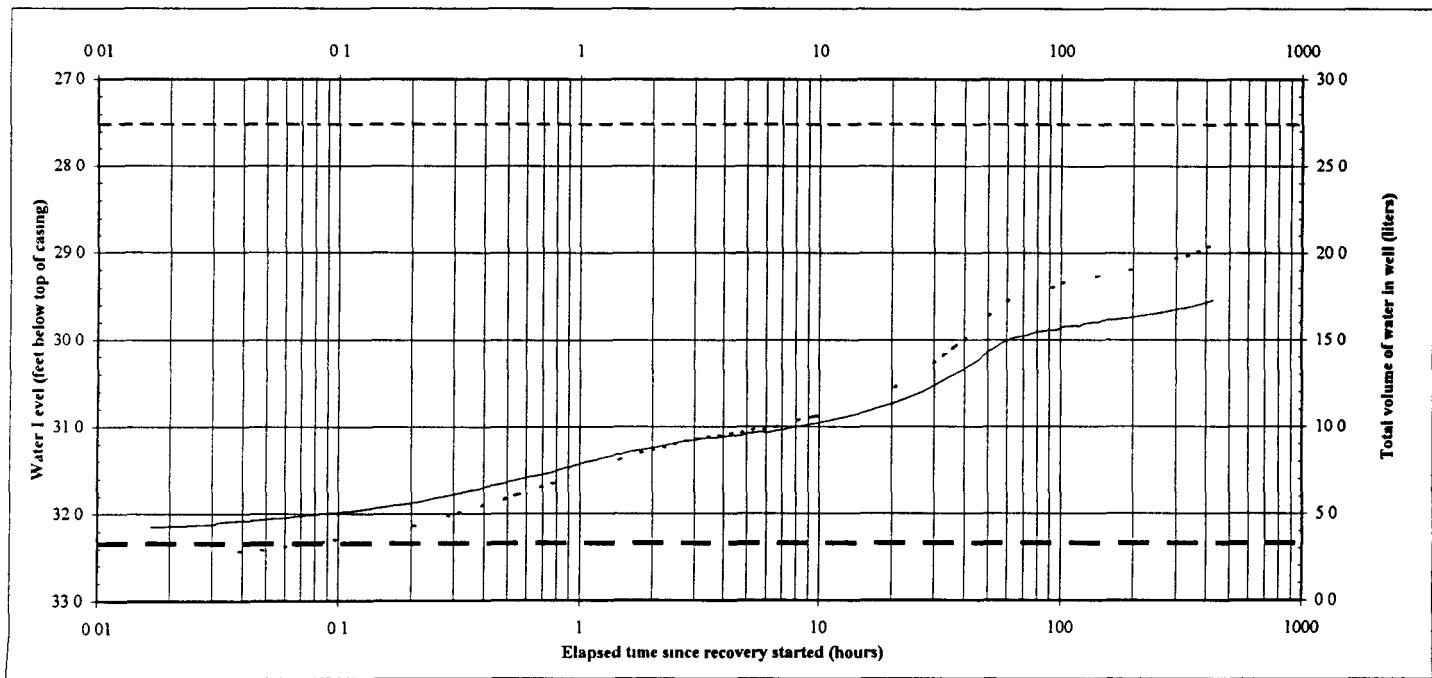
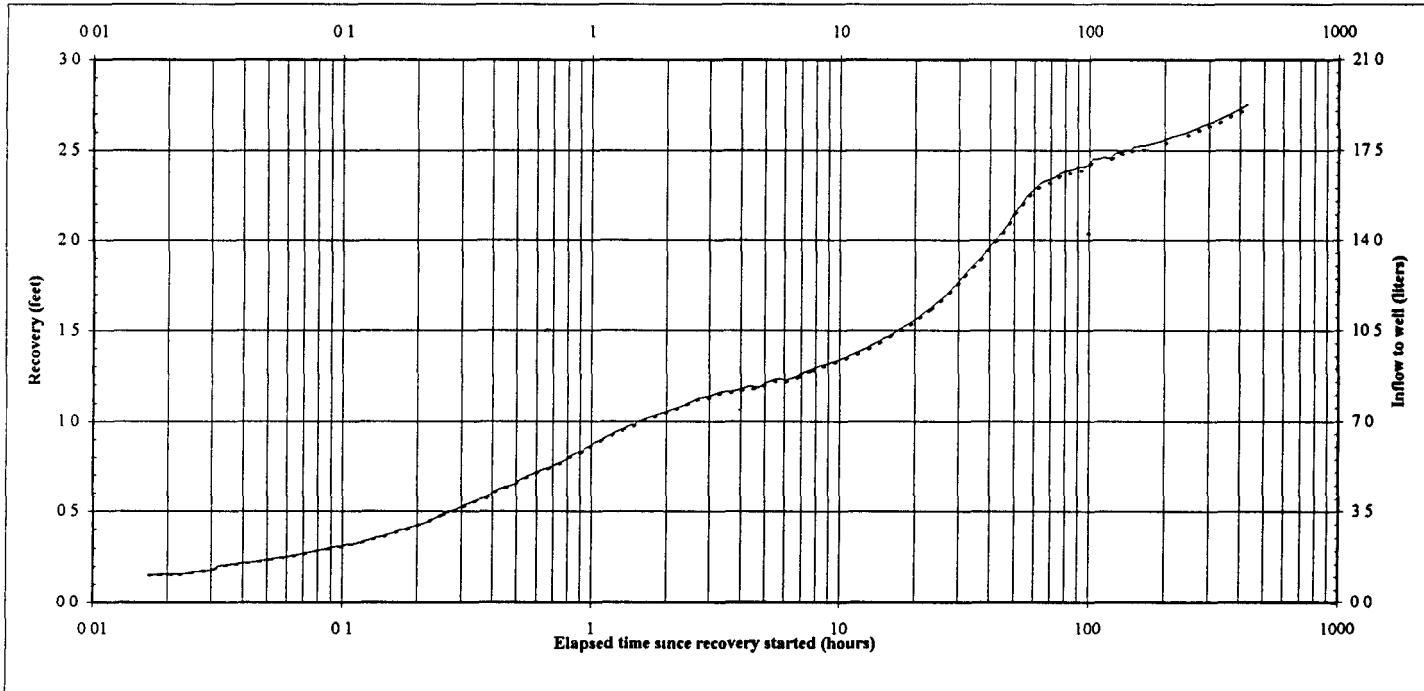
Well No. 36391
Measured recovery after sampling

Date: 22-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume



Well No **36391**

Date Sampled **3rd quarter**

22-Aug-94

Final bail time	11 39	Delay	1 00	Minutes
Set transducer time	11 40			
Static water level (pre sampling)	27.5	feet below top of casing		
Final water level (post recovery)	29.5	feet below top of casing		
Last recorded water level	-2.8	feet below transducer		
Transducer reference depth	32.3	feet below top of casing		
Bottom of well	32.3	feet below top of casing		
First recorded water level	-0.2	feet below transducer		
First recorded water level	32.1	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.4	liters		
Well diameter	11.0	inches	0.917	feet
Well radius	5.5	inches	0.458	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	14.8	feet below top of casing		
			0.62	liters/foot
			6.94	liters/foot

Input data							Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)		(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 000	-0 151		0 0167	1 00000	0 151	32 15		
0 003	0 151		0 0167	1 00330	0 151	32 15	1 05E+00	2 40
0 007	-0 151		0 0168	1 00660	0 151	32 15	1 05E+00	2 40
0 010	-0 151		0 0168	1 01000	0 151	32 15	1 05E+00	2 40
0 013	-0 151		0 0169	1 01330	0 151	32 15	1 05E+00	2 40
0 017	-0 151		0 0169	1 01660	0 151	32 15	1 05E+00	2 40
0 020	-0 151		0 0170	1 02000	0 151	32 15	1 05E+00	2 40
0 023	-0 151		0 0171	1 02330	0 151	32 15	1 05E+00	2 40
0 027	-0 151		0 0171	1 02660	0 151	32 15	1 05E+00	2 40
0 030	-0 151		0 0172	1 03000	0 151	32 15	1 05E+00	2 40
0 033	-0 151		0 0172	1 03330	0 151	32 15	1 05E+00	2 40
0 037	-0 154		0 0173	1 03660	0 154	32 14	1 07E+00	2 42
0 040	0 151		0 0173	1 04000	0 151	32 15	1 05E+00	2 40
0 043	-0 154		0 0174	1 04330	0 154	32 14	1 07E+00	2 42
0 047	-0 154		0 0174	1 04660	0 154	32 14	1 07E+00	2 42
0 050	-0 154		0 0175	1 05000	0 154	32 14	1 07E+00	2 42
0 053	0 154		0 0176	1 05330	0 154	32 14	1 07E+00	2 42
0 057	-0 154		0 0176	1 05660	0 154	32 14	1 07E+00	2 42
0 060	-0 154		0 0177	1 06000	0 154	32 14	1 07E+00	2 42
0 063	0 154		0 0177	1 06330	0 154	32 14	1 07E+00	2 42
0 067	0 154		0 0178	1 06660	0 154	32 14	1 07E+00	2 42
0 070	-0 154		0 0178	1 07000	0 154	32 14	1 07E+00	2 42
0 073	0 154		0 0179	1 07330	0 154	32 14	1 07E+00	2 42
0 077	-0 154		0 0179	1 07660	0 154	32 14	1 07E+00	2 42
0 080	0 154		0 0180	1 08000	0 154	32 14	1 07E+00	2 42
0 083	-0 154		0 0181	1 08330	0 154	32 14	1 07E+00	2 42
0 087	-0 154		0 0181	1 08660	0 154	32 14	1 07E+00	2 42
0 090	-0 154		0 0182	1 09000	0 154	32 14	1 07E+00	2 42
0 093	-0 154		0 0182	1 09330	0 154	32 14	1 07E+00	2 42
0 097	0 154		0 0183	1 09660	0 154	32 14	1 07E+00	2 42
0 100	-0 154		0 0183	1 10000	0 154	32 14	1 07E+00	2 42
0 103	-0 154		0 0184	1 10330	0 154	32 14	1 07E+00	2 42
0 107	-0 154		0 0184	1 10660	0 154	32 14	1 07E+00	2 42
0 110	-0 154		0 0185	1 11000	0 154	32 14	1 07E+00	2 42
0 113	-0 154		0 0186	1 11330	0 154	32 14	1 07E+00	2 42
0 117	0 154		0 0186	1 11660	0 154	32 14	1 07E+00	2 42
0 120	-0 154		0 0187	1 12000	0 154	32 14	1 07E+00	2 42
0 123	-0 154		0 0187	1 12330	0 154	32 14	1 07E+00	2 42

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 127	0 154	0 0188	1 12660	0 154	32 14		1 07E+00	2 42
0 130	0 154	0 0188	1 13000	0 154	32 14		1 07E+00	2 42
0 133	-0 154	0 0189	1 13330	0 154	32 14		1 07E+00	2 42
0 137	-0 154	0 0189	1 13660	0 154	32 14		1 07E+00	2 42
0 140	-0 154	0 0190	1 14000	0 154	32 14		1 07E+00	2 42
0 143	-0 157	0 0191	1 14330	0 157	32 14		1 09E+00	2 44
0 147	-0 157	0 0191	1 14660	0 157	32 14		1 09E+00	2 44
0 150	0 154	0 0192	1 15000	0 154	32 14		1 07E+00	2 42
0 153	0 157	0 0192	1 15330	0 157	32 14		1 09E+00	2 44
0 157	-0 157	0 0193	1 15660	0 157	32 14		1 09E+00	2 44
0 160	-0 157	0 0193	1 16000	0 157	32 14		1 09E+00	2 44
0 163	-0 157	0 0194	1 16330	0 157	32 14		1 09E+00	2 44
0 167	-0 157	0 0194	1 16660	0 157	32 14		1 09E+00	2 44
0 170	0 157	0 0195	1 17000	0 157	32 14		1 09E+00	2 44
0 173	0 157	0 0196	1 17330	0 157	32 14		1 09E+00	2 44
0 177	0 157	0 0196	1 17660	0 157	32 14		1 09E+00	2 44
0 180	0 157	0 0197	1 18000	0 157	32 14		1 09E+00	2 44
0 183	-0 157	0 0197	1 18330	0 157	32 14		1 09E+00	2 44
0 187	-0 157	0 0198	1 18660	0 157	32 14		1 09E+00	2 44
0 190	0 157	0 0198	1 19000	0 157	32 14		1 09E+00	2 44
0 193	0 157	0 0199	1 19330	0 157	32 14		1 09E+00	2 44
0 197	0 157	0 0199	1 19660	0 157	32 14		1 09E+00	2 44
0 200	0 157	0 0200	1 20000	0 157	32 14		1 09E+00	2 44
0 203	0 157	0 0201	1 20330	0 157	32 14		1 09E+00	2 44
0 207	0 157	0 0201	1 20660	0 157	32 14		1 09E+00	2 44
0 210	-0 157	0 0202	1 21000	0 157	32 14		1 09E+00	2 44
0 213	-0 157	0 0202	1 21330	0 157	32 14		1 09E+00	2 44
0 217	0 157	0 0203	1 21660	0 157	32 14		1 09E+00	2 44
0 220	-0 157	0 0203	1 22000	0 157	32 14		1 09E+00	2 44
0 223	-0 157	0 0204	1 22330	0 157	32 14		1 09E+00	2 44
0 227	-0 157	0 0204	1 22660	0 157	32 14		1 09E+00	2 44
0 230	-0 157	0 0205	1 23000	0 157	32 14		1 09E+00	2 44
0 233	-0 157	0 0206	1 23330	0 157	32 14		1 09E+00	2 44
0 237	-0 157	0 0206	1 23660	0 157	32 14		1 09E+00	2 44
0 240	-0 157	0 0207	1 24000	0 157	32 14		1 09E+00	2 44
0 243	-0 157	0 0207	1 24330	0 157	32 14		1 09E+00	2 44
0 247	-0 157	0 0208	1 24660	0 157	32 14		1 09E+00	2 44
0 250	0 157	0 0208	1 25000	0 157	32 14		1 09E+00	2 44
0 253	0 157	0 0209	1 25330	0 157	32 14		1 09E+00	2 44
0 257	0 157	0 0209	1 25660	0 157	32 14		1 09E+00	2 44
0 260	-0 157	0 0210	1 26000	0 157	32 14		1 09E+00	2 44
0 263	0 157	0 0211	1 26330	0 157	32 14		1 09E+00	2 44
0 267	0 157	0 0211	1 26660	0 157	32 14		1 09E+00	2 44
0 270	0 160	0 0212	1 27000	0 160	32 14		1 11E+00	2 46
0 273	-0 160	0 0212	1 27330	0 160	32 14		1 11E+00	2 46
0 277	-0 157	0 0213	1 27660	0 157	32 14		1 09E+00	2 44
0 280	-0 160	0 0213	1 28000	0 160	32 14		1 11E+00	2 46
0 283	-0 157	0 0214	1 28330	0 157	32 14		1 09E+00	2 44
0 287	-0 160	0 0214	1 28660	0 160	32 14		1 11E+00	2 46
0 290	-0 157	0 0215	1 29000	0 157	32 14		1 09E+00	2 44
0 293	0 157	0 0216	1 29330	0 157	32 14		1 09E+00	2 44
0 297	-0 157	0 0216	1 29660	0 157	32 14		1 09E+00	2 44
0 300	-0 157	0 0217	1 30000	0 157	32 14		1 09E+00	2 44
0 303	0 157	0 0217	1 30330	0 157	32 14		1 09E+00	2 44
0 307	0 157	0 0218	1 30660	0 157	32 14		1 09E+00	2 44
0 310	-0 157	0 0218	1 31000	0 157	32 14		1 09E+00	2 44
0 313	-0 157	0 0219	1 31330	0 157	32 14		1 09E+00	2 44
0 317	0 157	0 0219	1 31660	0 157	32 14		1 09E+00	2 44
0 320	0 160	0 0220	1 32000	0 160	32 14		1 11E+00	2 46
0 323	-0 160	0 0221	1 32330	0 160	32 14		1 11E+00	2 46
0 327	-0 160	0 0221	1 32660	0 160	32 14		1 11E+00	2 46
0 330	-0 160	0 0222	1 33000	0 160	32 14		1 11E+00	2 46
0 333	-0 160	0 0222	1 33330	0 160	32 14		1 11E+00	2 46
0 350	0 157	0 0225	1 35000	0 157	32 14		1 09E+00	2 44
0 367	0 160	0 0228	1 36660	0 160	32 14		1 11E+00	2 46
0 383	-0 160	0 0231	1 38330	0 160	32 14		1 11E+00	2 46
0 400	-0 163	0 0233	1 40000	0 163	32 13		1 13E+00	2 49
0 417	0 163	0 0236	1 41660	0 163	32 13		1 13E+00	2 49
0 433	-0 163	0 0239	1 43330	0 163	32 13		1 13E+00	2 49
0 450	0 163	0 0242	1 45000	0 163	32 13		1 13E+00	2 49
0 467	0 166	0 0244	1 46660	0 166	32 13		1 15E+00	2 51
0 483	-0 166	0 0247	1 48330	0 166	32 13		1 15E+00	2 51

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
	0 500	-0 166	0 0250	1 50000	0 166	32 13	1 15E+00	2 51
	0 517	-0 170	0 0253	1 51660	0 170	32 13	1 18E+00	2 53
	0 533	-0 170	0 0256	1 53330	0 170	32 13	1 18E+00	2 53
	0 550	-0 170	0 0258	1 55000	0 170	32 13	1 18E+00	2 53
	0 567	-0 170	0 0261	1 56660	0 170	32 13	1 18E+00	2 53
	0 583	-0 173	0 0264	1 58330	0 173	32 12	1 20E+00	2 56
	0 600	-0 173	0 0267	1 60000	0 173	32 12	1 20E+00	2 56
	0 617	-0 173	0 0269	1 61660	0 173	32 12	1 20E+00	2 56
	0 633	-0 176	0 0272	1 63330	0 176	32 12	1 22E+00	2 58
	0 650	-0 176	0 0275	1 65000	0 176	32 12	1 22E+00	2 58
	0 667	-0 176	0 0278	1 66660	0 176	32 12	1 22E+00	2 58
	0 683	-0 176	0 0281	1 68330	0 176	32 12	1 22E+00	2 58
	0 700	-0 176	0 0283	1 70000	0 176	32 12	1 22E+00	2 58
	0 717	-0 176	0 0286	1 71660	0 176	32 12	1 22E+00	2 58
	0 733	0 179	0 0289	1 73330	0 179	32 12	1 24E+00	2 60
	0 750	0 179	0 0292	1 75000	0 179	32 12	1 24E+00	2 60
	0 767	-0 179	0 0294	1 76660	0 179	32 12	1 24E+00	2 60
	0 783	-0 179	0 0297	1 78330	0 179	32 12	1 24E+00	2 60
	0 800	0 182	0 0300	1 80000	0 182	32 11	1 26E+00	2 62
	0 817	-0 182	0 0303	1 81660	0 182	32 11	1 26E+00	2 62
	0 833	-0 182	0 0306	1 83330	0 182	32 11	1 26E+00	2 62
	0 850	-0 182	0 0308	1 85000	0 182	32 11	1 26E+00	2 62
	0 867	-0 185	0 0311	1 86660	0 185	32 11	1 28E+00	2 64
	0 883	0 192	0 0314	1 88330	0 192	32 10	1 33E+00	2 69
	0 900	0 201	0 0317	1 90000	0 201	32 10	1 40E+00	2 75
	0 917	-0 204	0 0319	1 91660	0 204	32 09	1 42E+00	2 77
	0 933	-0 204	0 0322	1 93330	0 204	32 09	1 42E+00	2 77
	0 950	-0 207	0 0325	1 95000	0 207	32 09	1 44E+00	2 79
	0 967	-0 204	0 0328	1 96660	0 204	32 09	1 42E+00	2 77
	0 983	0 207	0 0331	1 98330	0 207	32 09	1 44E+00	2 79
	1 000	-0 207	0 0333	2 00000	0 207	32 09	1 44E+00	2 79
	1 200	-0 214	0 0367	2 20000	0 214	32 08	1 49E+00	2 84
	1 400	-0 220	0 0400	2 40000	0 220	32 08	1 53E+00	2 88
	1 600	-0 223	0 0433	2 60000	0 223	32 07	1 55E+00	2 90
	1 800	0 229	0 0467	2 80000	0 229	32 07	1 59E+00	2 94
	2 000	-0 236	0 0500	3 00000	0 236	32 06	1 64E+00	2 99
	2 200	-0 242	0 0533	3 20000	0 242	32 05	1 68E+00	3 03
	2 400	-0 248	0 0567	3 40000	0 248	32 05	1 72E+00	3 08
	2 600	-0 255	0 0600	3 60000	0 255	32 04	1 77E+00	3 12
	2 800	0 258	0 0633	3 80000	0 258	32 04	1 79E+00	3 15
	3 000	-0 264	0 0667	4 00000	0 264	32 03	1 83E+00	3 19
	3 200	-0 270	0 0700	4 20000	0 270	32 03	1 87E+00	3 23
	3 400	-0 277	0 0733	4 40000	0 277	32 02	1 92E+00	3 28
	3 600	-0 283	0 0767	4 60000	0 283	32 01	1 96E+00	3 32
	3 800	-0 289	0 0800	4 80000	0 289	32 01	2 01E+00	3 36
	4 000	-0 292	0 0833	5 00000	0 292	32 00	2 03E+00	3 38
	4 200	-0 299	0 0867	5 20000	0 299	32 00	2 08E+00	3 43
	4 400	-0 305	0 0900	5 40000	0 305	31 99	2 12E+00	3 47
	4 600	-0 308	0 0933	5 60000	0 308	31 99	2 14E+00	3 49
	4 800	0 311	0 0967	5 80000	0 311	31 99	2 16E+00	3 51
	5 000	-0 311	0 1000	6 00000	0 311	31 99	2 16E+00	3 51
	5 200	-0 318	0 1033	6 20000	0 318	31 98	2 21E+00	3 56
	5 400	-0 321	0 1067	6 40000	0 321	31 98	2 23E+00	3 58
	5 600	-0 324	0 1100	6 60000	0 324	31 97	2 25E+00	3 60
	5 800	0 327	0 1133	6 80000	0 327	31 97	2 27E+00	3 62
	6 000	0 333	0 1167	7 00000	0 333	31 96	2 31E+00	3 67
	6 200	0 337	0 1200	7 20000	0 337	31 96	2 34E+00	3 69
	6 400	0 340	0 1233	7 40000	0 340	31 96	2 36E+00	3 71
	6 600	-0 343	0 1267	7 60000	0 343	31 95	2 38E+00	3 74
	6 800	-0 349	0 1300	7 80000	0 349	31 95	2 42E+00	3 78
	7 000	-0 352	0 1333	8 00000	0 352	31 94	2 44E+00	3 80
	7 200	-0 359	0 1367	8 20000	0 359	31 94	2 49E+00	3 85
	7 400	-0 362	0 1400	8 40000	0 362	31 93	2 51E+00	3 87
	7 600	-0 365	0 1433	8 60000	0 365	31 93	2 53E+00	3 89
	7 800	0 368	0 1467	8 80000	0 368	31 93	2 56E+00	3 91
	8 000	0 374	0 1500	9 00000	0 374	31 92	2 60E+00	3 95
	8 200	-0 377	0 1533	9 20000	0 377	31 92	2 62E+00	3 97
	8 400	0 381	0 1567	9 40000	0 381	31 92	2 65E+00	4 00
	8 600	-0 384	0 1600	9 60000	0 384	31 91	2 67E+00	4 02
	8 800	-0 387	0 1633	9 80000	0 387	31 91	2 69E+00	4 04
	9 000	-0 393	0 1667	10 00000	0 393	31 90	2 73E+00	4 08
	9 200	0 400	0 1700	10 20000	0 400	31 90	2 78E+00	4 13

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
(minutes)		(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
9 400		0 403	0 1733	10 40000	0 403	31 89	2 80E+00	4 15
9 600		-0 403	0 1767	10 60000	0 403	31 89	2 80E+00	4 15
9 800		-0 406	0 1800	10 80000	0 406	31 89	2 82E+00	4 17
10 000		-0 409	0 1833	11 00000	0 409	31 89	2 84E+00	4 19
12 000		-0 440	0 2167	13 00000	0 440	31 86	3 05E+00	4 41
14 000		-0 485	0 2500	15 00000	0 485	31 81	3 37E+00	4 72
16 000		-0 510	0 2833	17 00000	0 510	31 79	3 54E+00	4 89
18 000		-0 541	0 3167	19 00000	0 541	31 76	3 76E+00	5 11
20 000		-0 566	0 3500	21 00000	0 566	31 73	3 93E+00	5 28
22 000		-0 582	0 3833	23 00000	0 582	31 71	4 04E+00	5 39
24 000		-0 617	0 4167	25 00000	0 617	31 68	4 28E+00	5 64
26 000		-0 636	0 4500	27 00000	0 636	31 66	4 42E+00	5 77
28 000		-0 645	0 4833	29 00000	0 645	31 65	4 48E+00	5 83
30 000		-0 674	0 5167	31 00000	0 674	31 62	4 68E+00	6 03
32 000		0 692	0 5500	33 00000	0 692	31 60	4 80E+00	6 16
34 000		-0 708	0 5833	35 00000	0 708	31 59	4 92E+00	6 27
36 000		-0 724	0 6167	37 00000	0 724	31 57	5 03E+00	6 38
38 000		0 733	0 6500	39 00000	0 733	31 56	5 09E+00	6 44
40 000		0 746	0 6833	41 00000	0 746	31 55	5 18E+00	6 53
42 000		0 759	0 7167	43 00000	0 759	31 54	5 27E+00	6 62
44 000		-0 771	0 7500	45 00000	0 771	31 53	5 35E+00	6 71
46 000		-0 781	0 7833	47 00000	0 781	31 52	5 42E+00	6 78
48 000		-0 806	0 8167	49 00000	0 806	31 49	5 60E+00	6 95
50 000		-0 818	0 8500	51 00000	0 818	31 48	5 68E+00	7 03
52 000		-0 831	0 8833	53 00000	0 831	31 47	5 77E+00	7 12
54 000		-0 831	0 9167	55 00000	0 831	31 47	5 77E+00	7 12
56 000		-0 853	0 9500	57 00000	0 853	31 44	5 92E+00	7 28
58 000		0 863	0 9833	59 00000	0 863	31 43	5 99E+00	7 35
60 000		0 878	1 0167	61 00000	0 878	31 42	6 10E+00	7 45
62 000		-0 888	1 0500	63 00000	0 888	31 41	6 17E+00	7 52
64 000		-0 897	1 0833	65 00000	0 897	31 40	6 23E+00	7 58
66 000		0 907	1 1167	67 00000	0 907	31 39	6 30E+00	7 65
68 000		0 916	1 1500	69 00000	0 916	31 38	6 36E+00	7 71
70 000		-0 922	1 1833	71 00000	0 922	31 37	6 40E+00	7 76
72 000		-0 932	1 2167	73 00000	0 932	31 36	6 47E+00	7 82
74 000		-0 941	1 2500	75 00000	0 941	31 36	6 53E+00	7 89
76 000		-0 948	1 2833	77 00000	0 948	31 35	6 58E+00	7 94
78 000		-0 954	1 3167	79 00000	0 954	31 34	6 62E+00	7 98
80 000		-0 960	1 3500	81 00000	0 960	31 34	6 67E+00	8 02
82 000		-0 970	1 3833	83 00000	0 970	31 33	6 73E+00	8 09
84 000		-0 976	1 4167	85 00000	0 976	31 32	6 78E+00	8 13
86 000		0 982	1 4500	87 00000	0 982	31 31	6 82E+00	8 17
88 000		-0 976	1 4833	89 00000	0 976	31 32	6 78E+00	8 13
90 000		-0 995	1 5167	91 00000	0 995	31 30	6 91E+00	8 26
92 000		-1 001	1 5500	93 00000	1 001	31 30	6 95E+00	8 30
94 000		-1 004	1 5833	95 00000	1 004	31 29	6 97E+00	8 32
96 000		1 011	1 6167	97 00000	1 011	31 29	7 02E+00	8 37
98 000		-1 017	1 6500	99 00000	1 017	31 28	7 06E+00	8 41
100 000		-1 020	1 6833	101 00000	1 020	31 28	7 08E+00	8 44
120 000		-1 055	2 0167	121 00000	1 055	31 24	7 32E+00	8 68
140 000		1 089	2 3500	141 00000	1 089	31 21	7 56E+00	8 91
160 000		-1 127	2 6833	161 00000	1 127	31 17	7 82E+00	9 18
180 000		-1 140	3 0167	181 00000	1 140	31 16	7 92E+00	9 27
200 000		-1 162	3 3500	201 00000	1 162	31 13	8 07E+00	9 42
220 000		-1 165	3 6833	221 00000	1 165	31 13	8 09E+00	9 44
240 000		-1 178	4 0167	241 00000	1 178	31 12	8 18E+00	9 53
260 000		1 193	4 3500	261 00000	1 193	31 10	8 28E+00	9 64
280 000		1 184	4 6833	281 00000	1 184	31 11	8 22E+00	9 57
300 000		1 212	5 0167	301 00000	1 212	31 08	8 41E+00	9 77
320 000		-1 225	5 3500	321 00000	1 225	31 07	8 51E+00	9 86
340 000		-1 234	5 6833	341 00000	1 234	31 06	8 57E+00	9 92
360 000		1 225	6 0167	361 00000	1 225	31 07	8 51E+00	9 86
380 000		-1 234	6 3500	381 00000	1 234	31 06	8 57E+00	9 92
400 000		-1 247	6 6833	401 00000	1 247	31 05	8 66E+00	10 01
420 000		-1 259	7 0167	421 00000	1 259	31 04	8 74E+00	10 10
440 000		-1 275	7 3500	441 00000	1 275	31 02	8 85E+00	10 21
460 000		-1 285	7 6833	461 00000	1 285	31 01	8 92E+00	10 28
480 000		1 294	8 0167	481 00000	1 294	31 00	8 98E+00	10 34
500 000		-1 304	8 3500	501 00000	1 304	30 99	9 05E+00	10 41
520 000		1 310	8 6833	521 00000	1 310	30 99	9 10E+00	10 45
540 000		1 316	9 0167	541 00000	1 316	30 98	9 14E+00	10 49
560 000		-1 326	9 3500	561 00000	1 326	30 97	9 21E+00	10 56

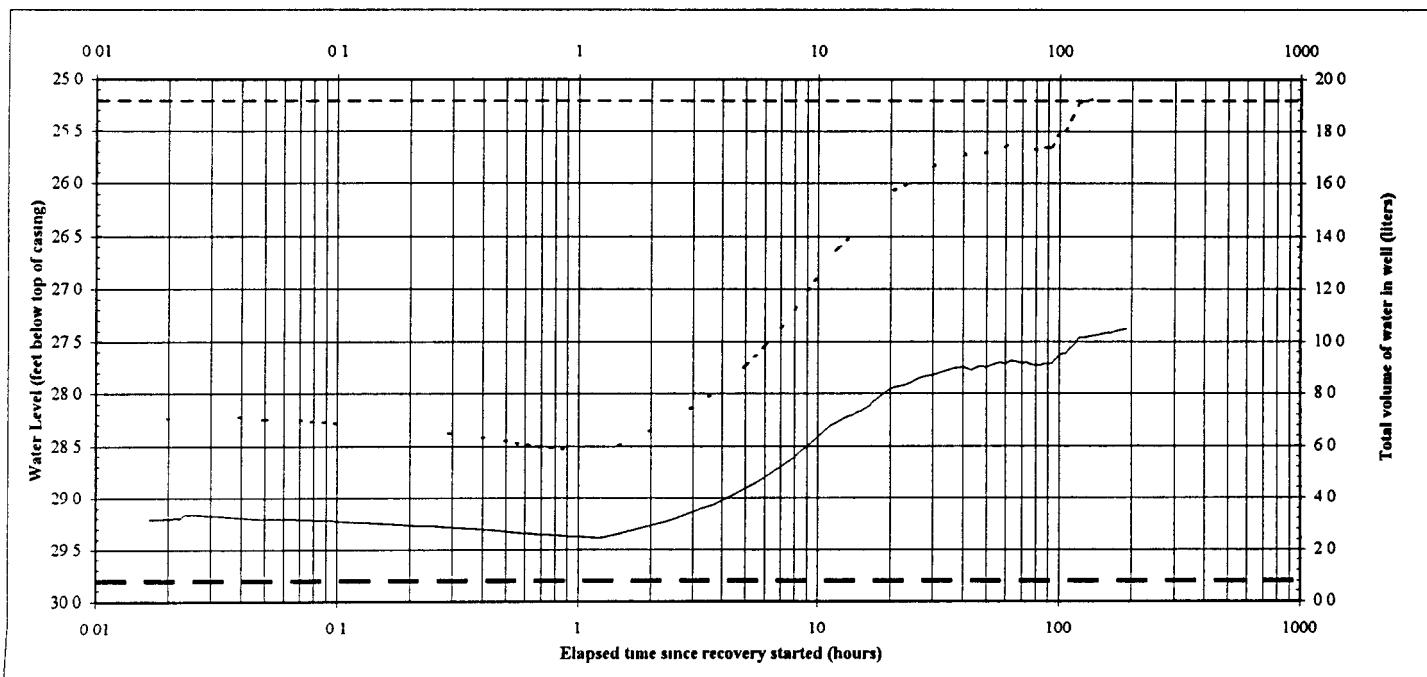
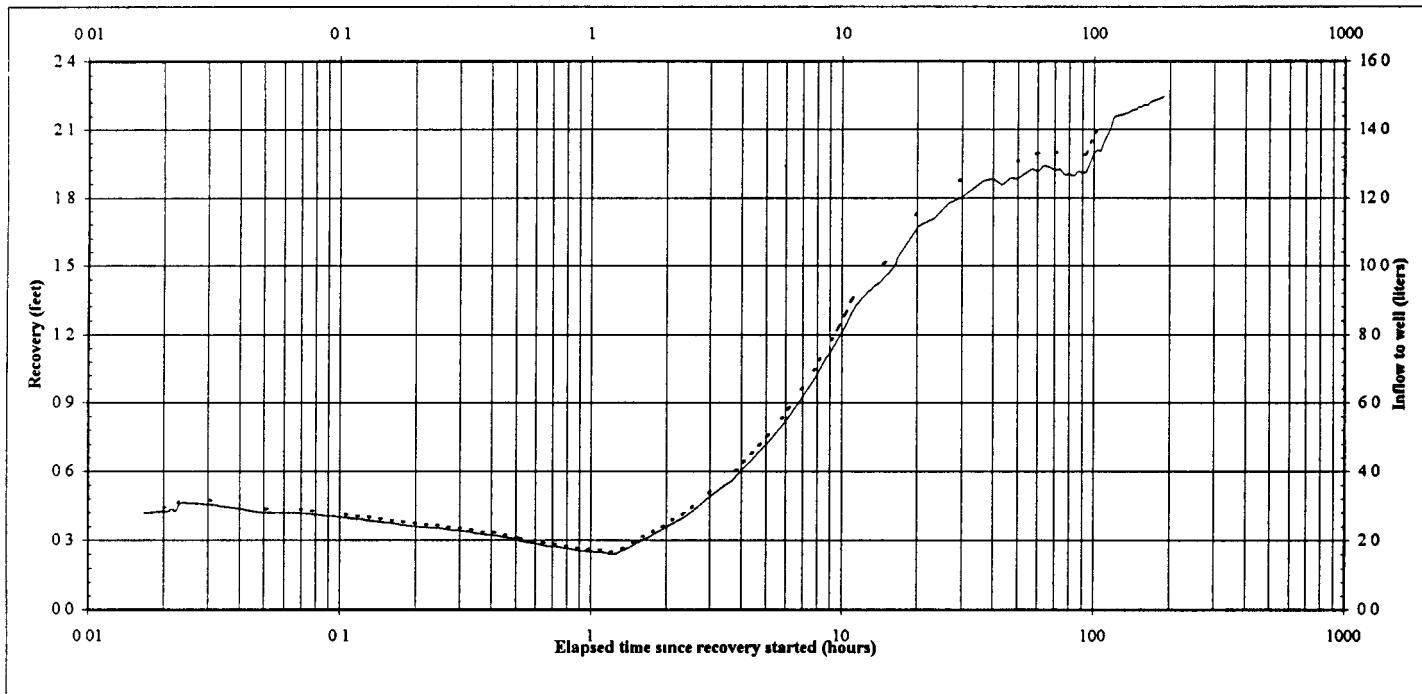
Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)		(Feet of water)	(ftc)	(liters)	(liters)
580 000	-1 332	9 6833	581 00000	1 332	30 96	9 25E+00	10 60	
600 000	-1 338	10 0167	601 00000	1 338	30 96	9 29E+00	10 64	
620 000	-1 348	10 3500	621 00000	1 348	30 95	9 36E+00	10 71	
640 000	-1 354	10 6833	641 00000	1 354	30 94	9 40E+00	10 75	
660 000	-1 363	11 0167	661 00000	1 363	30 93	9 46E+00	10 82	
680 000	-1 370	11 3500	681 00000	1 370	30 93	9 51E+00	10 87	
700 000	-1 379	11 6833	701 00000	1 379	30 92	9 57E+00	10 93	
720 000	-1 385	12 0167	721 00000	1 385	30 91	9 62E+00	10 97	
740 000	-1 395	12 3500	741 00000	1 395	30 90	9 69E+00	11 04	
760 000	-1 401	12 6833	761 00000	1 401	30 90	9 73E+00	11 08	
780 000	-1 407	13 0167	781 00000	1 407	30 89	9 77E+00	11 12	
800 000	-1 417	13 3500	801 00000	1 417	30 88	9 84E+00	11 19	
820 000	-1 423	13 6833	821 00000	1 423	30 87	9 88E+00	11 23	
840 000	-1 433	14 0167	841 00000	1 433	30 86	9 95E+00	11 30	
860 000	-1 439	14 3500	861 00000	1 439	30 86	9 99E+00	11 34	
880 000	1 448	14 6833	881 00000	1 448	30 85	1 01E+01	11 41	
900 000	1 455	15 0167	901 00000	1 455	30 84	1 01E+01	11 46	
920 000	1 461	15 3500	921 00000	1 461	30 84	1 01E+01	11 50	
940 000	1 467	15 6833	941 00000	1 467	30 83	1 02E+01	11 54	
960 000	-1 477	16 0167	961 00000	1 477	30 82	1 03E+01	11 61	
980 000	1 483	16 3500	981 00000	1 483	30 81	1 03E+01	11 65	
1000 000	-1 493	16 6833	1001 00000	1 493	30 80	1 04E+01	11 72	
1200 000	-1 559	20 0167	1201 00000	1 559	30 74	1 08E+01	12 18	
1400 000	1 631	23 3500	1401 00000	1 631	30 67	1 13E+01	12 68	
1600 000	-1 697	26 6833	1601 00000	1 697	30 60	1 18E+01	13 14	
1800 000	-1 773	30 0167	1801 00000	1 773	30 52	1 23E+01	13 66	
2000 000	-1 845	33 3500	2001 00000	1 845	30 45	1 28E+01	14 16	
2200 000	-1 905	36 6833	2201 00000	1 905	30 39	1 32E+01	14 58	
2400 000	-1 965	40 0167	2401 00000	1 965	30 33	1 36E+01	15 00	
2600 000	-2 022	43 3500	2601 00000	2 022	30 27	1 40E+01	15 39	
2800 000	-2 078	46 6833	2801 00000	2 078	30 22	1 44E+01	15 78	
3000 000	2 157	50 0167	3001 00000	2 157	30 14	1 50E+01	16 33	
3200 000	-2 198	53 3500	3201 00000	2 198	30 10	1 53E+01	16 61	
3400 000	-2 252	56 6833	3401 00000	2 252	30 04	1 56E+01	16 99	
3600 000	-2 283	60 0167	3601 00000	2 283	30 01	1 59E+01	17 20	
3800 000	-2 312	63 3500	3801 00000	2 312	29 98	1 61E+01	17 41	
4000 000	2 331	66 6833	4001 00000	2 331	29 97	1 62E+01	17 54	
4200 000	-2 337	70 0167	4201 00000	2 337	29 96	1 62E+01	17 58	
4400 000	-2 353	73 3500	4401 00000	2 353	29 94	1 63E+01	17 69	
4600 000	-2 375	76 6833	4601 00000	2 375	29 92	1 65E+01	17 84	
4800 000	-2 387	80 0167	4801 00000	2 387	29 91	1 66E+01	17 93	
5000 000	-2 390	83 3500	5001 00000	2 390	29 91	1 66E+01	17 95	
5200 000	-2 397	86 6833	5201 00000	2 397	29 90	1 66E+01	18 00	
5400 000	-2 406	90 0167	5401 00000	2 406	29 89	1 67E+01	18 06	
5600 000	-2 406	93 3500	5601 00000	2 406	29 89	1 67E+01	18 06	
5800 000	-2 409	96 6833	5801 00000	2 409	29 89	1 67E+01	18 08	
6000 000	-2 428	100 0167	6001 00000	2 428	29 87	1 69E+01	18 21	
6200 000	-2 450	103 3500	6201 00000	2 450	29 85	1 70E+01	18 36	
6400 000	-2 447	106 6833	6401 00000	2 447	29 85	1 70E+01	18 34	
6600 000	-2 453	110 0167	6601 00000	2 453	29 84	1 70E+01	18 39	
6800 000	-2 460	113 3500	6801 00000	2 460	29 84	1 71E+01	18 43	
7000 000	2 456	116 6833	7001 00000	2 456	29 84	1 71E+01	18 41	
7200 000	2 453	120 0167	7201 00000	2 453	29 84	1 70E+01	18 39	
7400 000	2 469	123 3500	7401 00000	2 469	29 83	1 71E+01	18 50	
7600 000	-2 485	126 6833	7601 00000	2 485	29 81	1 73E+01	18 61	
7800 000	2 485	130 0167	7801 00000	2 485	29 81	1 73E+01	18 61	
8000 000	-2 497	133 3500	8001 00000	2 497	29 80	1 73E+01	18 69	
8200 000	-2 497	136 6833	8201 00000	2 497	29 80	1 73E+01	18 69	
8400 000	-2 501	140 0167	8401 00000	2 501	29 80	1 74E+01	18 72	
8600 000	2 497	143 3500	8601 00000	2 497	29 80	1 73E+01	18 69	
8800 000	2 510	146 6833	8801 00000	2 510	29 79	1 74E+01	18 78	
9000 000	2 520	150 0167	9001 00000	2 520	29 78	1 75E+01	18 85	
9200 000	-2 520	153 3500	9201 00000	2 520	29 78	1 75E+01	18 85	
9400 000	-2 520	156 6833	9401 00000	2 520	29 78	1 75E+01	18 85	
9600 000	-2 526	160 0167	9601 00000	2 526	29 77	1 75E+01	18 89	
9800 000	-2 523	163 3500	9801 00000	2 523	29 77	1 75E+01	18 87	
10000 000	2 526	166 6833	10001 00000	2 526	29 77	1 75E+01	18 89	
11440 000	2 548	190 6833	11441 00000	2 548	29 75	1 77E+01	19 04	
12880 000	-2 573	214 6833	12881 00000	2 573	29 72	1 79E+01	19 22	
14320 000	-2 592	238 6833	14321 00000	2 592	29 70	1 80E+01	19 35	
15760 000	-2 617	262 6833	15761 00000	2 617	29 68	1 82E+01	19 52	
17200 000	-2 639	286 6833	17201 00000	2 639	29 66	1 83E+01	19 68	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftcc)	Inflow (liters)	water in well (liters)
18640 000	-2 658		310 6833	18641 00000	2 658	29 64	1 85E+01	19 81
20080 000	-2 674		334 6833	20081 00000	2 674	29 62	1 86E+01	19 92
21520 000	-2 696		358 6833	21521 00000	2 696	29 60	1 87E+01	20 07
22960 000	-2 715		382 6833	22961 00000	2 715	29 58	1 89E+01	20 20
24400 000	-2 737		406 6833	24401 00000	2 737	29 56	1 90E+01	20 36
25840 000	-2 756		430 6833	25841 00000	2 756	29 54	1 91E+01	20 49

Well No. 36691
Measured recovery after sampling

Date: 10-Aug-91
3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume



Well No	36691
Date Sampled	3rd quarter
	10-Aug-91

Final bail time	13.11	Delay	1 00	Minutes
Set transducer time	13.12			
Static water level (pre sampling)	25.2			
Final water level (post-recovery)	27.4			
Last recorded water level	27.2			
Transducer reference depth	29.6			
Bottom of well	29.8			
First recorded water level	-0.4			
First recorded water level	29.2			
Water column remaining in casing after purging	0.6			
Volume remaining in casing after purging	4.1			
Well diameter	11.0	inches	0.917	feet
Well radius	5.5	inches	0.458	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.4	inches	0.279	feet
Top of sandpack	13.7	feet below top of casing		
			0.62 liters/foot	
			6.94 liters/foot	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbc)				
0 000	-0.416	0 0167	1 00000	0 416	29 21			
0 003	-0.419	0 0167	1 00330	0 419	29 21		2 91E+00	7 01
0 007	-0.416	0 0168	1 00660	0 416	29 21		2 89E+00	6 99
0 010	-0.419	0 0168	1 01000	0 419	29 21		2 91E+00	7 01
0 013	-0.416	0 0169	1 01330	0 416	29 21		2 89E+00	6 99
0 017	-0.419	0 0169	1 01660	0 419	29 21		2 91E+00	7 01
0 020	-0.416	0 0170	1 02000	0 416	29 21		2 89E+00	6 99
0 023	-0.416	0 0171	1 02330	0 416	29 21		2 89E+00	6 99
0 027	-0.419	0 0171	1 02660	0 419	29 21		2 91E+00	7 01
0 030	-0.416	0 0172	1 03000	0 416	29 21		2 89E+00	6 99
0 033	-0.419	0 0172	1 03330	0 419	29 21		2 91E+00	7 01
0 037	0.419	0 0173	1 03660	0 419	29 21		2 91E+00	7 01
0 040	-0.416	0 0173	1 04000	0 416	29 21		2 89E+00	6 99
0 043	-0.419	0 0174	1 04330	0 419	29 21		2 91E+00	7 01
0 047	-0.419	0 0174	1 04660	0 419	29 21		2 91E+00	7 01
0 050	-0.419	0 0175	1 05000	0 419	29 21		2 91E+00	7 01
0 053	0.419	0 0176	1 05330	0 419	29 21		2 91E+00	7 01
0 057	-0.419	0 0176	1 05660	0 419	29 21		2 91E+00	7 01
0 060	-0.419	0 0177	1 06000	0 419	29 21		2 91E+00	7 01
0 063	-0.419	0 0177	1 06330	0 419	29 21		2 91E+00	7 01
0 067	-0.419	0 0178	1 06660	0 419	29 21		2 91E+00	7 01
0 070	-0.419	0 0178	1 07000	0 419	29 21		2 91E+00	7 01
0 073	-0.419	0 0179	1 07330	0 419	29 21		2 91E+00	7 01
0 077	0.422	0 0179	1 07660	0 422	29 20		2 93E+00	7 03
0 080	-0.419	0 0180	1 08000	0 419	29 21		2 91E+00	7 01
0 083	-0.419	0 0181	1 08330	0 419	29 21		2 91E+00	7 01
0 087	-0.419	0 0181	1 08660	0 419	29 21		2 91E+00	7 01
0 090	0.422	0 0182	1 09000	0 422	29 20		2 93E+00	7 03
0 093	0.422	0 0182	1 09330	0 422	29 20		2 93E+00	7 03
0 097	-0.422	0 0183	1 09660	0 422	29 20		2 93E+00	7 03
0 100	0.422	0 0183	1 10000	0 422	29 20		2 93E+00	7 03
0 103	-0.419	0 0184	1 10330	0 419	29 21		2 91E+00	7 01
0 107	0.422	0 0184	1 10660	0 422	29 20		2 93E+00	7 03
0 110	-0.422	0 0185	1 11000	0 422	29 20		2 93E+00	7 03
0 113	0.422	0 0186	1 11330	0 422	29 20		2 93E+00	7 03
0 117	-0.422	0 0186	1 11660	0 422	29 20		2 93E+00	7 03
0 120	-0.422	0 0187	1 12000	0 422	29 20		2 93E+00	7 03
0 123	-0.422	0 0187	1 12330	0 422	29 20		2 93E+00	7 03

Input data							Cumulative Inflow	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	(liters)	(liters)
	0 127	-0 422	0 0188	1 12660	0 422	29 20	2 93E+00	7 03
	0 130	-0 426	0 0188	1 13000	0 426	29 20	2 96E+00	7 06
	0 133	-0 422	0 0189	1 13330	0 422	29 20	2 93E+00	7 03
	0 137	0 422	0 0189	1 13660	0 422	29 20	2 93E+00	7 03
	0 140	0 422	0 0190	1 14000	0 422	29 20	2 93E+00	7 03
	0 143	-0 422	0 0191	1 14330	0 422	29 20	2 93E+00	7 03
	0 147	0 422	0 0191	1 14660	0 422	29 20	2 93E+00	7 03
	0 150	0 422	0 0192	1 15000	0 422	29 20	2 93E+00	7 03
	0 153	-0 426	0 0192	1 15330	0 426	29 20	2 96E+00	7 06
	0 157	-0 422	0 0193	1 15660	0 422	29 20	2 93E+00	7 03
	0 160	-0 422	0 0193	1 16000	0 422	29 20	2 93E+00	7 03
	0 163	0 426	0 0194	1 16330	0 426	29 20	2 96E+00	7 06
	0 167	-0 426	0 0194	1 16660	0 426	29 20	2 96E+00	7 06
	0 170	-0 426	0 0195	1 17000	0 426	29 20	2 96E+00	7 06
	0 173	-0 426	0 0196	1 17330	0 426	29 20	2 96E+00	7 06
	0 177	-0 426	0 0196	1 17660	0 426	29 20	2 96E+00	7 06
	0 180	0 422	0 0197	1 18000	0 422	29 20	2 93E+00	7 03
	0 183	-0 426	0 0197	1 18330	0 426	29 20	2 96E+00	7 06
	0 187	0 426	0 0198	1 18660	0 426	29 20	2 96E+00	7 06
	0 190	0 426	0 0198	1 19000	0 426	29 20	2 96E+00	7 06
	0 193	0 422	0 0199	1 19330	0 422	29 20	2 93E+00	7 03
	0 197	0 426	0 0199	1 19660	0 426	29 20	2 96E+00	7 06
	0 200	-0 422	0 0200	1 20000	0 422	29 20	2 93E+00	7 03
	0 203	-0 422	0 0201	1 20330	0 422	29 20	2 93E+00	7 03
	0 207	-0 426	0 0201	1 20660	0 426	29 20	2 96E+00	7 06
	0 210	-0 426	0 0202	1 21000	0 426	29 20	2 96E+00	7 06
	0 213	-0 426	0 0202	1 21330	0 426	29 20	2 96E+00	7 06
	0 217	-0 422	0 0203	1 21660	0 422	29 20	2 93E+00	7 03
	0 220	-0 426	0 0203	1 22000	0 426	29 20	2 96E+00	7 06
	0 223	-0 422	0 0204	1 22330	0 422	29 20	2 93E+00	7 03
	0 227	-0 422	0 0204	1 22660	0 422	29 20	2 93E+00	7 03
	0 230	-0 422	0 0205	1 23000	0 422	29 20	2 93E+00	7 03
	0 233	-0 426	0 0206	1 23330	0 426	29 20	2 96E+00	7 06
	0 237	-0 426	0 0206	1 23660	0 426	29 20	2 96E+00	7 06
	0 240	0 426	0 0207	1 24000	0 426	29 20	2 96E+00	7 06
	0 243	-0 426	0 0207	1 24330	0 426	29 20	2 96E+00	7 06
	0 247	-0 426	0 0208	1 24660	0 426	29 20	2 96E+00	7 06
	0 250	0 426	0 0208	1 25000	0 426	29 20	2 96E+00	7 06
	0 253	-0 426	0 0209	1 25330	0 426	29 20	2 96E+00	7 06
	0 257	-0 426	0 0209	1 25660	0 426	29 20	2 96E+00	7 06
	0 260	-0 426	0 0210	1 26000	0 426	29 20	2 96E+00	7 06
	0 263	-0 426	0 0211	1 26330	0 426	29 20	2 96E+00	7 06
	0 267	-0 426	0 0211	1 26660	0 426	29 20	2 96E+00	7 06
	0 270	0 429	0 0212	1 27000	0 429	29 20	2 98E+00	7 08
	0 273	-0 432	0 0212	1 27330	0 432	29 19	3 00E+00	7 10
	0 277	-0 432	0 0213	1 27660	0 432	29 19	3 00E+00	7 10
	0 280	-0 432	0 0213	1 28000	0 432	29 19	3 00E+00	7 10
	0 283	-0 432	0 0214	1 28330	0 432	29 19	3 00E+00	7 10
	0 287	-0 432	0 0214	1 28660	0 432	29 19	3 00E+00	7 10
	0 290	0 432	0 0215	1 29000	0 432	29 19	3 00E+00	7 10
	0 293	-0 432	0 0216	1 29330	0 432	29 19	3 00E+00	7 10
	0 297	0 432	0 0216	1 29660	0 432	29 19	3 00E+00	7 10
	0 300	0 432	0 0217	1 30000	0 432	29 19	3 00E+00	7 10
	0 303	0 432	0 0217	1 30330	0 432	29 19	3 00E+00	7 10
	0 307	-0 432	0 0218	1 30660	0 432	29 19	3 00E+00	7 10
	0 310	-0 432	0 0218	1 31000	0 432	29 19	3 00E+00	7 10
	0 313	0 432	0 0219	1 31330	0 432	29 19	3 00E+00	7 10
	0 317	-0 432	0 0219	1 31660	0 432	29 19	3 00E+00	7 10
	0 320	-0 432	0 0220	1 32000	0 432	29 19	3 00E+00	7 10
	0 323	-0 422	0 0221	1 32330	0 422	29 20	2 93E+00	7 03
	0 327	-0 426	0 0221	1 32660	0 426	29 20	2 96E+00	7 06
	0 330	-0 426	0 0222	1 33000	0 426	29 20	2 96E+00	7 06
	0 333	0 426	0 0222	1 33330	0 426	29 20	2 96E+00	7 06
	0 350	0 429	0 0225	1 35000	0 429	29 20	2 98E+00	7 08
	0 367	-0 438	0 0228	1 36660	0 438	29 19	3 04E+00	7 14
	0 383	-0 454	0 0231	1 38330	0 454	29 17	3 15E+00	7 26
	0 400	-0 461	0 0233	1 40000	0 461	29 16	3 20E+00	7 30
	0 417	0 464	0 0236	1 41660	0 464	29 16	3 22E+00	7 32
	0 433	0 464	0 0239	1 43330	0 464	29 16	3 22E+00	7 32
	0 450	-0 464	0 0242	1 45000	0 464	29 16	3 22E+00	7 32
	0 467	-0 461	0 0244	1 46660	0 461	29 16	3 20E+00	7 30
	0 483	-0 461	0 0247	1 48330	0 461	29 16	3 20E+00	7 30

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 500	-0 461	0 0250	1 50000	0 461	29 16	3 20E+00	7 30	
0 517	-0 461	0 0253	1 51660	0 461	29 16	3 20E+00	7 30	
0 533	-0 461	0 0256	1 53330	0 461	29 16	3 20E+00	7 30	
0 550	-0 461	0 0258	1 55000	0 461	29 16	3 20E+00	7 30	
0 567	-0 461	0 0261	1 56660	0 461	29 16	3 20E+00	7 30	
0 583	-0 461	0 0264	1 58330	0 461	29 16	3 20E+00	7 30	
0 600	-0 461	0 0267	1 60000	0 461	29 16	3 20E+00	7 30	
0 617	-0 457	0 0269	1 61660	0 457	29 17	3 17E+00	7 28	
0 633	-0 457	0 0272	1 63330	0 457	29 17	3 17E+00	7 28	
0 650	-0 457	0 0275	1 65000	0 457	29 17	3 17E+00	7 28	
0 667	-0 457	0 0278	1 66660	0 457	29 17	3 17E+00	7 28	
0 683	-0 457	0 0281	1 68330	0 457	29 17	3 17E+00	7 28	
0 700	-0 457	0 0283	1 70000	0 457	29 17	3 17E+00	7 28	
0 717	-0 457	0 0286	1 71660	0 457	29 17	3 17E+00	7 28	
0 733	-0 454	0 0289	1 73330	0 454	29 17	3 15E+00	7 26	
0 750	-0 454	0 0292	1 75000	0 454	29 17	3 15E+00	7 26	
0 767	-0 454	0 0294	1 76660	0 454	29 17	3 15E+00	7 26	
0 783	-0 454	0 0297	1 78330	0 454	29 17	3 15E+00	7 26	
0 800	0 454	0 0300	1 80000	0 454	29 17	3 15E+00	7 26	
0 817	0 454	0 0303	1 81660	0 454	29 17	3 15E+00	7 26	
0 833	-0 454	0 0306	1 83330	0 454	29 17	3 15E+00	7 26	
0 850	-0 454	0 0308	1 85000	0 454	29 17	3 15E+00	7 26	
0 867	0 451	0 0311	1 86660	0 451	29 17	3 13E+00	7 23	
0 883	0 451	0 0314	1 88330	0 451	29 17	3 13E+00	7 23	
0 900	0 451	0 0317	1 90000	0 451	29 17	3 13E+00	7 23	
0 917	0 451	0 0319	1 91660	0 451	29 17	3 13E+00	7 23	
0 933	0 451	0 0322	1 93330	0 451	29 17	3 13E+00	7 23	
0 950	-0 451	0 0325	1 95000	0 451	29 17	3 13E+00	7 23	
0 967	-0 451	0 0328	1 96660	0 451	29 17	3 13E+00	7 23	
0 983	-0 448	0 0331	1 98330	0 448	29 18	3 11E+00	7 21	
1 000	0 448	0 0333	2 00000	0 448	29 18	3 11E+00	7 21	
1 200	-0 442	0 0367	2 20000	0 442	29 18	3 07E+00	7 17	
1 400	-0 435	0 0400	2 40000	0 435	29 19	3 02E+00	7 12	
1 600	-0 429	0 0433	2 60000	0 429	29 20	2 98E+00	7 08	
1 800	-0 422	0 0467	2 80000	0 422	29 20	2 93E+00	7 03	
2 000	-0 419	0 0500	3 00000	0 419	29 21	2 91E+00	7 01	
2 200	-0 419	0 0533	3 20000	0 419	29 21	2 91E+00	7 01	
2 400	-0 419	0 0567	3 40000	0 419	29 21	2 91E+00	7 01	
2 600	-0 419	0 0600	3 60000	0 419	29 21	2 91E+00	7 01	
2 800	-0 419	0 0633	3 80000	0 419	29 21	2 91E+00	7 01	
3 000	0 419	0 0667	4 00000	0 419	29 21	2 91E+00	7 01	
3 200	0 416	0 0700	4 20000	0 416	29 21	2 89E+00	6 99	
3 400	-0 416	0 0733	4 40000	0 416	29 21	2 89E+00	6 99	
3 600	-0 413	0 0767	4 60000	0 413	29 21	2 87E+00	6 97	
3 800	-0 410	0 0800	4 80000	0 410	29 22	2 85E+00	6 95	
4 000	-0 410	0 0833	5 00000	0 410	29 22	2 85E+00	6 95	
4 200	-0 407	0 0867	5 20000	0 407	29 22	2 83E+00	6 93	
4 400	-0 407	0 0900	5 40000	0 407	29 22	2 83E+00	6 93	
4 600	-0 407	0 0933	5 60000	0 407	29 22	2 83E+00	6 93	
4 800	-0 403	0 0967	5 80000	0 403	29 22	2 80E+00	6 90	
5 000	-0 400	0 1000	6 00000	0 400	29 23	2 78E+00	6 88	
5 200	-0 400	0 1033	6 20000	0 400	29 23	2 78E+00	6 88	
5 400	-0 397	0 1067	6 40000	0 397	29 23	2 76E+00	6 86	
5 600	-0 394	0 1100	6 60000	0 394	29 23	2 74E+00	6 84	
5 800	-0 394	0 1133	6 80000	0 394	29 23	2 74E+00	6 84	
6 000	-0 391	0 1167	7 00000	0 391	29 23	2 71E+00	6 82	
6 200	0 391	0 1200	7 20000	0 391	29 23	2 71E+00	6 82	
6 400	0 391	0 1233	7 40000	0 391	29 23	2 71E+00	6 82	
6 600	0 387	0 1267	7 60000	0 387	29 24	2 69E+00	6 79	
6 800	-0 387	0 1300	7 80000	0 387	29 24	2 69E+00	6 79	
7 000	-0 384	0 1333	8 00000	0 384	29 24	2 67E+00	6 77	
7 200	0 384	0 1367	8 20000	0 384	29 24	2 67E+00	6 77	
7 400	-0 381	0 1400	8 40000	0 381	29 24	2 65E+00	6 75	
7 600	-0 381	0 1433	8 60000	0 381	29 24	2 65E+00	6 75	
7 800	-0 378	0 1467	8 80000	0 378	29 25	2 62E+00	6 73	
8 000	-0 378	0 1500	9 00000	0 378	29 25	2 62E+00	6 73	
8 200	-0 378	0 1533	9 20000	0 378	29 25	2 62E+00	6 73	
8 400	-0 375	0 1567	9 40000	0 375	29 25	2 60E+00	6 71	
8 600	-0 375	0 1600	9 60000	0 375	29 25	2 60E+00	6 71	
8 800	-0 372	0 1633	9 80000	0 372	29 25	2 58E+00	6 69	
9 000	-0 372	0 1667	10 00000	0 372	29 25	2 58E+00	6 69	
9 200	-0 372	0 1700	10 20000	0 372	29 25	2 58E+00	6 69	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)			
9 400	-0 368	0 1733	10 40000	0 368	29 26	2 56E+00	6 66	
9 600	-0 368	0 1767	10 60000	0 368	29 26	2 56E+00	6 66	
9 800	-0 365	0 1800	10 80000	0 365	29 26	2 53E+00	6 64	
10 000	-0 365	0 1833	11 00000	0 365	29 26	2 53E+00	6 64	
12 000	-0 356	0 2167	13 00000	0 356	29 27	2 47E+00	6 58	
14 000	-0 353	0 2500	15 00000	0 353	29 27	2 45E+00	6 55	
16 000	-0 343	0 2833	17 00000	0 343	29 28	2 38E+00	6 48	
18 000	-0 340	0 3167	19 00000	0 340	29 29	2 36E+00	6 46	
20 000	-0 330	0 3500	21 00000	0 330	29 30	2 29E+00	6 39	
22 000	-0 324	0 3833	23 00000	0 324	29 30	2 25E+00	6 35	
24 000	-0 321	0 4167	25 00000	0 321	29 30	2 23E+00	6 33	
26 000	-0 314	0 4500	27 00000	0 314	29 31	2 18E+00	6 28	
28 000	-0 308	0 4833	29 00000	0 308	29 32	2 14E+00	6 24	
30 000	-0 298	0 5167	31 00000	0 298	29 33	2 07E+00	6 17	
32 000	0 292	0 5500	33 00000	0 292	29 33	2 03E+00	6 13	
34 000	-0 286	0 5833	35 00000	0 286	29 34	1 99E+00	6 09	
36 000	-0 283	0 6167	37 00000	0 283	29 34	1 96E+00	6 07	
38 000	-0 276	0 6500	39 00000	0 276	29 35	1 92E+00	6 02	
40 000	-0 273	0 6833	41 00000	0 273	29 35	1 90E+00	6 00	
42 000	-0 273	0 7167	43 00000	0 273	29 35	1 90E+00	6 00	
44 000	0 270	0 7500	45 00000	0 270	29 36	1 87E+00	5 98	
46 000	-0 263	0 7833	47 00000	0 263	29 36	1 83E+00	5 93	
48 000	-0 263	0 8167	49 00000	0 263	29 36	1 83E+00	5 93	
50 000	-0 260	0 8500	51 00000	0 260	29 37	1 81E+00	5 91	
52 000	0 257	0 8833	53 00000	0 257	29 37	1 78E+00	5 89	
54 000	-0 254	0 9167	55 00000	0 254	29 37	1 76E+00	5 87	
56 000	-0 254	0 9500	57 00000	0 254	29 37	1 76E+00	5 87	
58 000	-0 251	0 9833	59 00000	0 251	29 37	1 74E+00	5 85	
60 000	-0 251	1 0167	61 00000	0 251	29 37	1 74E+00	5 85	
62 000	-0 248	1 0500	63 00000	0 248	29 38	1 72E+00	5 83	
64 000	-0 248	1 0833	65 00000	0 248	29 38	1 72E+00	5 83	
66 000	-0 248	1 1167	67 00000	0 248	29 38	1 72E+00	5 83	
68 000	-0 244	1 1500	69 00000	0 244	29 38	1 69E+00	5 80	
70 000	-0 241	1 1833	71 00000	0 241	29 38	1 67E+00	5 78	
72 000	-0 241	1 2167	73 00000	0 241	29 38	1 67E+00	5 78	
74 000	-0 241	1 2500	75 00000	0 241	29 38	1 67E+00	5 78	
76 000	-0 248	1 2833	77 00000	0 248	29 38	1 72E+00	5 83	
78 000	-0 254	1 3167	79 00000	0 254	29 37	1 76E+00	5 87	
80 000	-0 257	1 3500	81 00000	0 257	29 37	1 78E+00	5 89	
82 000	-0 263	1 3833	83 00000	0 263	29 36	1 83E+00	5 93	
84 000	-0 267	1 4167	85 00000	0 267	29 36	1 85E+00	5 96	
86 000	-0 276	1 4500	87 00000	0 276	29 35	1 92E+00	6 02	
88 000	-0 279	1 4833	89 00000	0 279	29 35	1 94E+00	6 04	
90 000	-0 289	1 5167	91 00000	0 289	29 34	2 01E+00	6 11	
92 000	-0 289	1 5500	93 00000	0 289	29 34	2 01E+00	6 11	
94 000	-0 298	1 5833	95 00000	0 298	29 33	2 07E+00	6 17	
96 000	-0 305	1 6167	97 00000	0 305	29 32	2 12E+00	6 22	
98 000	-0 308	1 6500	99 00000	0 308	29 32	2 14E+00	6 24	
100 000	-0 311	1 6833	101 00000	0 311	29 31	2 16E+00	6 26	
120 000	-0 362	2 0167	121 00000	0 362	29 26	2 51E+00	6 62	
140 000	-0 400	2 3500	141 00000	0 400	29 23	2 78E+00	6 88	
160 000	-0 445	2 6833	161 00000	0 445	29 18	3 09E+00	7 19	
180 000	-0 492	3 0167	181 00000	0 492	29 13	3 42E+00	7 52	
200 000	0 531	3 3500	201 00000	0 531	29 09	3 69E+00	7 79	
220 000	0 562	3 6833	221 00000	0 562	29 06	3 90E+00	8 01	
240 000	-0 607	4 0167	241 00000	0 607	29 02	4 21E+00	8 32	
260 000	-0 645	4 3500	261 00000	0 645	28 98	4 48E+00	8 58	
280 000	-0 683	4 6833	281 00000	0 683	28 94	4 74E+00	8 85	
300 000	-0 718	5 0167	301 00000	0 718	28 91	4 99E+00	9 09	
320 000	-0 753	5 3500	321 00000	0 753	28 87	5 23E+00	9 33	
340 000	-0 788	5 6833	341 00000	0 788	28 84	5 47E+00	9 57	
360 000	-0 823	6 0167	361 00000	0 823	28 80	5 71E+00	9 82	
380 000	-0 858	6 3500	381 00000	0 858	28 77	5 96E+00	10 06	
400 000	-0 893	6 6833	401 00000	0 893	28 73	6 20E+00	10 30	
420 000	-0 925	7 0167	421 00000	0 925	28 70	6 42E+00	10 53	
440 000	-0 960	7 3500	441 00000	0 960	28 67	6 67E+00	10 77	
460 000	-0 992	7 6833	461 00000	0 992	28 63	6 89E+00	10 99	
480 000	1 024	8 0167	481 00000	1 024	28 60	7 11E+00	11 21	
500 000	-1 065	8 3500	501 00000	1 065	28 56	7 39E+00	11 50	
520 000	1 097	8 6833	521 00000	1 097	28 53	7 62E+00	11 72	
540 000	1 122	9 0167	541 00000	1 122	28 50	7 79E+00	11 89	
560 000	1 151	9 3500	561 00000	1 151	28 47	7 99E+00	12 09	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
580 000		-1 183	9 6833	581 00000	1 183	28 44	8 21E+00	12 32
600 000		-1 211	10 0167	601 00000	1 211	28 41	8 41E+00	12 51
620 000		-1 240	10 3500	621 00000	1 240	28 39	8 61E+00	12 71
640 000		-1 272	10 6833	641 00000	1 272	28 35	8 83E+00	12 93
660 000		-1 297	11 0167	661 00000	1 297	28 33	9 01E+00	13 11
680 000		-1 323	11 3500	681 00000	1 323	28 30	9 19E+00	13 29
700 000		-1 339	11 6833	701 00000	1 339	28 29	9 30E+00	13 40
720 000		-1 358	12 0167	721 00000	1 358	28 27	9 43E+00	13 53
740 000		-1 370	12 3500	741 00000	1 370	28 26	9 51E+00	13 62
760 000		-1 386	12 6833	761 00000	1 386	28 24	9 62E+00	13 73
780 000		1 396	13 0167	781 00000	1 396	28 23	9 69E+00	13 80
800 000		1 412	13 3500	801 00000	1 412	28 21	9 80E+00	13 91
820 000		1 418	13 6833	821 00000	1 418	28 21	9 85E+00	13 95
840 000		-1 424	14 0167	841 00000	1 424	28 20	9 89E+00	13 99
860 000		-1 437	14 3500	861 00000	1 437	28 19	9 98E+00	14 08
880 000		-1 450	14 6833	881 00000	1 450	28 18	1 01E+01	14 17
900 000		-1 459	15 0167	901 00000	1 459	28 17	1 01E+01	14 23
920 000		-1 469	15 3500	921 00000	1 469	28 16	1 02E-01	14 30
940 000		-1 479	15 6833	941 00000	1 479	28 15	1 03E+01	14 37
960 000		-1 491	16 0167	961 00000	1 491	28 13	1 04E+01	14 46
980 000		-1 507	16 3500	981 00000	1 507	28 12	1 05E+01	14 57
1000 000		-1 536	16 6833	1001 00000	1 536	28 09	1 07E+01	14 77
1200 000		-1 673	20 0167	1201 00000	1 673	27 95	1 16E+01	15 72
1400 000		-1 708	23 3500	1401 00000	1 708	27 92	1 19E+01	15 96
1600 000		1 778	26 6833	1601 00000	1 778	27 85	1 23E+01	16 45
1800 000		1 806	30 0167	1801 00000	1 806	27 82	1 25E+01	16 64
2000 000		1 841	33 3500	2001 00000	1 841	27 78	1 28E+01	16 89
2200 000		-1 873	36 6833	2201 00000	1 873	27 75	1 30E+01	17 11
2400 000		-1 883	40 0167	2401 00000	1 883	27 74	1 31E+01	17 18
2600 000		-1 854	43 3500	2601 00000	1 854	27 77	1 29E+01	16 98
2800 000		-1 886	46 6833	2801 00000	1 886	27 74	1 31E+01	17 20
3000 000		-1 883	50 0167	3001 00000	1 883	27 74	1 31E+01	17 18
3200 000		-1 905	53 3500	3201 00000	1 905	27 72	1 32E+01	17 33
3400 000		-1 927	56 6833	3401 00000	1 927	27 70	1 34E+01	17 48
3600 000		-1 914	60 0167	3601 00000	1 914	27 71	1 33E+01	17 39
3800 000		-1 943	63 3500	3801 00000	1 943	27 68	1 35E+01	17 59
4000 000		-1 933	66 6833	4001 00000	1 933	27 69	1 34E+01	17 52
4200 000		-1 921	70 0167	4201 00000	1 921	27 70	1 33E+01	17 44
4400 000		-1 927	73 3500	4401 00000	1 927	27 70	1 34E+01	17 48
4600 000		-1 898	76 6833	4601 00000	1 898	27 73	1 32E+01	17 28
4800 000		1 902	80 0167	4801 00000	1 902	27 72	1 32E+01	17 31
5000 000		1 892	83 3500	5001 00000	1 892	27 73	1 31E+01	17 24
5200 000		-1 914	86 6833	5201 00000	1 914	27 71	1 33E+01	17 39
5400 000		-1 911	90 0167	5401 00000	1 911	27 71	1 33E+01	17 37
5600 000		1 911	93 3500	5601 00000	1 911	27 71	1 33E+01	17 37
5800 000		-1 956	96 6833	5801 00000	1 956	27 67	1 36E+01	17 68
6000 000		-1 997	100 0167	6001 00000	1 997	27 63	1 39E+01	17 97
6200 000		-2 010	103 3500	6201 00000	2 010	27 62	1 40E+01	18 06
6400 000		-2 007	106 6833	6401 00000	2 007	27 62	1 39E+01	18 04
6600 000		-2 048	110 0167	6601 00000	2 048	27 58	1 42E+01	18 32
6800 000		-2 077	113 3500	6801 00000	2 077	27 55	1 44E+01	18 52
7000 000		-2 102	116 6833	7001 00000	2 102	27 52	1 46E+01	18 70
7200 000		-2 156	120 0167	7201 00000	2 156	27 47	1 50E+01	19 07
7400 000		-2 163	123 3500	7401 00000	2 163	27 46	1 50E+01	19 12
7600 000		-2 166	126 6833	7601 00000	2 166	27 46	1 50E+01	19 14
7800 000		2 166	130 0167	7801 00000	2 166	27 46	1 50E+01	19 14
8000 000		2 175	133 3500	8001 00000	2 175	27 45	1 51E+01	19 20
8200 000		2 175	136 6833	8201 00000	2 175	27 45	1 51E+01	19 20
8400 000		-2 182	140 0167	8401 00000	2 182	27 44	1 51E+01	19 25
8600 000		-2 188	143 3500	8601 00000	2 188	27 44	1 52E+01	19 29
8800 000		-2 188	146 6833	8801 00000	2 188	27 44	1 52E+01	19 29
9000 000		-2 201	150 0167	9001 00000	2 201	27 42	1 53E+01	19 38
9200 000		-2 198	153 3500	9201 00000	2 198	27 43	1 53E+01	19 36
9400 000		-2 207	156 6833	9401 00000	2 207	27 42	1 53E+01	19 43
9600 000		-2 210	160 0167	9601 00000	2 210	27 42	1 53E+01	19 45
9800 000		-2 207	163 3500	9801 00000	2 207	27 42	1 53E+01	19 43
10000 000		-2 220	166 6833	10001 00000	2 220	27 41	1 54E+01	19 52
11440 000		-2 245	190 6833	11441 00000	2 245	27 38	1 56E+01	19 69

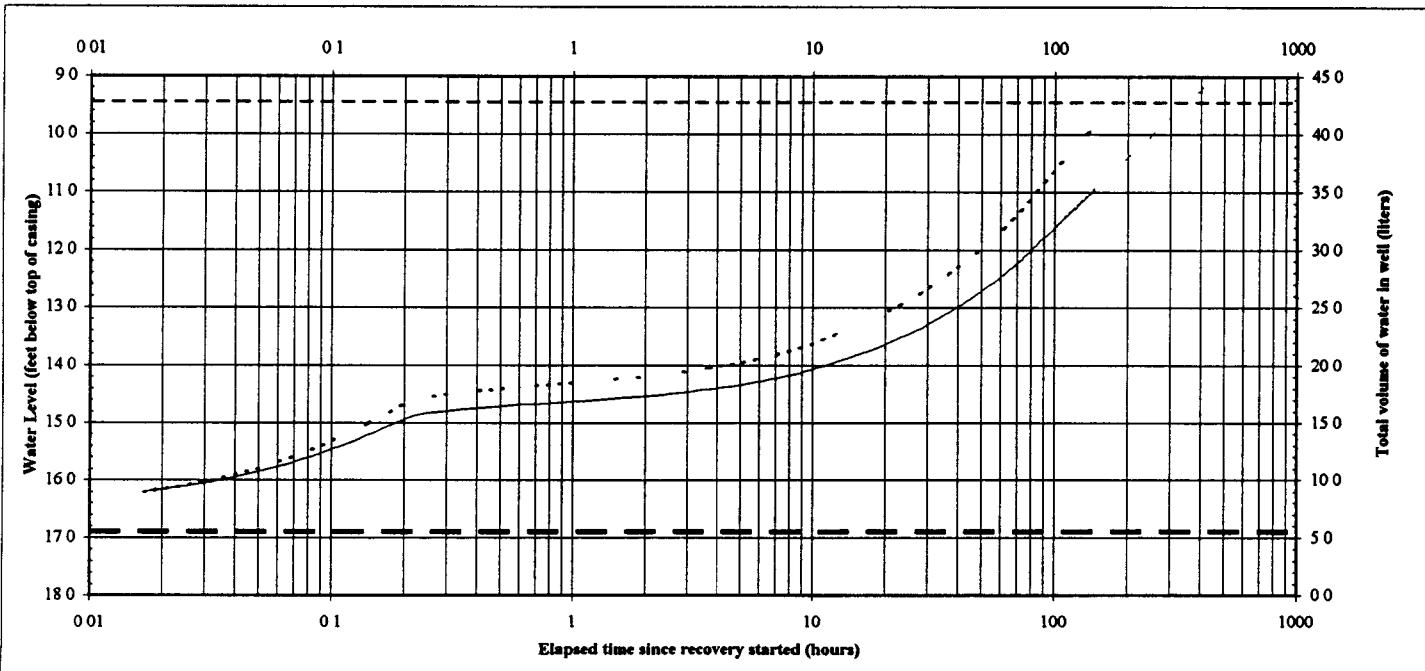
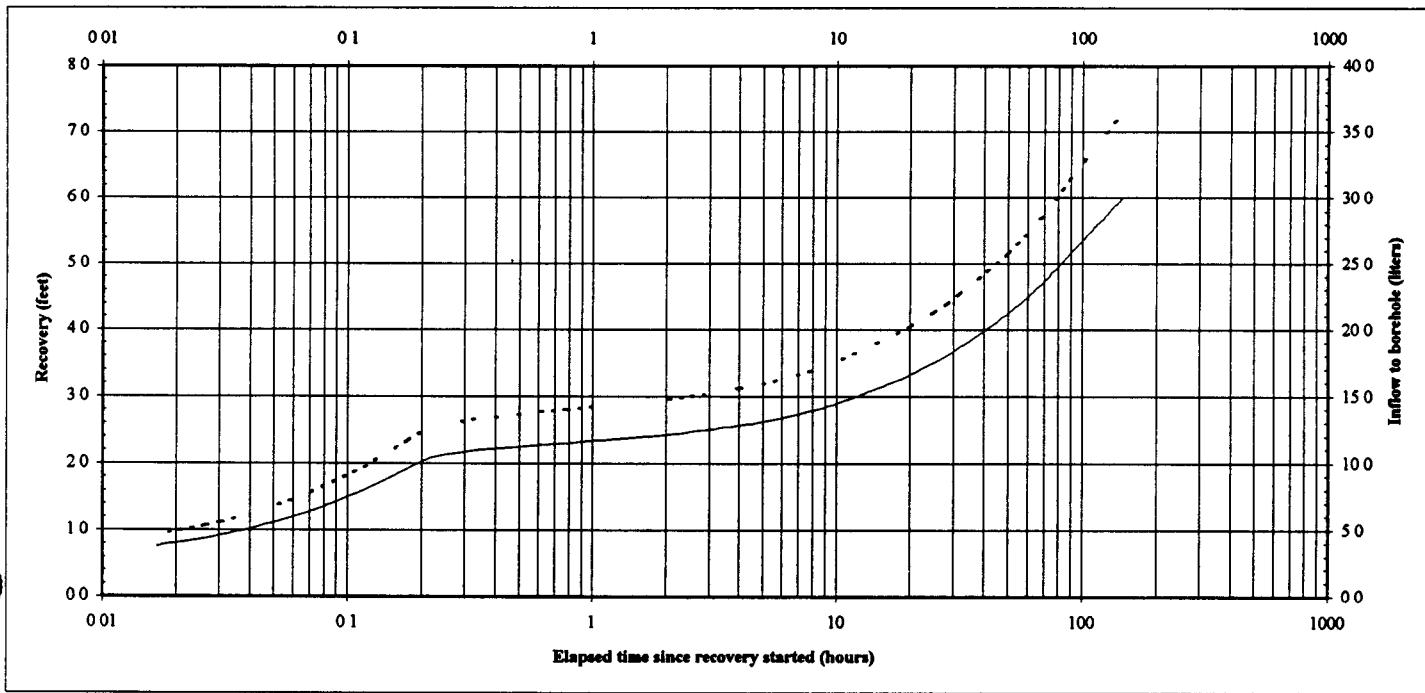
Well No. 37591

Measured recovery after sampling

Date: 9-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

37591

Date Sampled

3rd quarter

9-Aug-94

Final bail time	11.04	Delay	1 00	Minutes
Set transducer time	11.05			
Static water level (pre-sampling)	9.4	feet below top of casing		
Final water level (post-recovery)	11.0	feet below top of casing		
Last recorded water level	-6.0	feet below transducer		
Transducer Reference Depth	17.0	feet below top of casing		
Bottom of well	16.9	feet below top of casing		
First recorded water level	-6.3	feet below transducer		
First recorded water level	16.2	feet below top of casing		
Water column remaining in casing after purging	0.7	feet		
Volume remaining in casing after purging	4.3	liters		
Well diameter	10.3	inches	0.854	feet
Well radius	5.1	inches	0.427	feet
Casing diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.261	feet
Top of sandpack	5.6	feet below top of casing	0.62 6.08	liters/foot liters/foot

Input data

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0.770	0 0167	1 00000	0 770	16 19		
0 003	-0.770	0 0167	1 00330	0 770	16 19	4 68E+00	9 00
0 007	-0.760	0 0168	1 00660	0 760	16 20	4 62E+00	8 94
0 010	-0.770	0 0168	1 00990	0 770	16 19	4 68E+00	9 00
0 013	-0.770	0 0169	1 01330	0 770	16 19	4 68E+00	9 00
0 017	-0.770	0 0169	1 01660	0 770	16 19	4 68E+00	9 00
0 020	-0.770	0 0170	1 02000	0 770	16 19	4 68E+00	9 00
0 023	-0.770	0 0171	1 02330	0 770	16 19	4 68E+00	9 00
0 027	-0.770	0 0171	1 02660	0 770	16 19	4 68E+00	9 00
0 030	-0.770	0 0172	1 03000	0 770	16 19	4 68E+00	9 00
0 033	-0.770	0 0172	1 03330	0 770	16 19	4 68E+00	9 00
0 050	-0.780	0 0175	1 05000	0 780	16 18	4 74E+00	9 06
0 067	-0.780	0 0178	1 06660	0 780	16 18	4 74E+00	9 06
0 083	-0.790	0 0181	1 08330	0 790	16 17	4 80E+00	9 12
0 100	-0.790	0 0183	1 10000	0 790	16 17	4 80E+00	9 12
0 117	-0.790	0 0186	1 11660	0 790	16 17	4 80E+00	9 12
0 133	-0.800	0 0189	1 13330	0 800	16 16	4 87E+00	9 18
0 150	-0.800	0 0192	1 15000	0 800	16 16	4 87E+00	9 18
0 167	-0.800	0 0194	1 16660	0 800	16 16	4 87E+00	9 18
0 183	-0.800	0 0197	1 18330	0 800	16 16	4 87E+00	9 18
0 200	-0.800	0 0200	1 20000	0 800	16 16	4 87E+00	9 18
0 217	-0.810	0 0203	1 21660	0 810	16 15	4 93E+00	9 24
0 233	-0.810	0 0206	1 23330	0 810	16 15	4 93E+00	9 24
0 250	-0.820	0 0208	1 25000	0 820	16 14	4 99E+00	9 30
0 267	-0.820	0 0211	1 26660	0 820	16 14	4 99E+00	9 30
0 283	-0.820	0 0214	1 28330	0 820	16 14	4 99E+00	9 30
0 300	-0.820	0 0217	1 30000	0 820	16 14	4 99E+00	9 30
0 317	-0.830	0 0219	1 31660	0 830	16 13	5 05E+00	9 37
0 333	-0.830	0 0222	1 33330	0 830	16 13	5 05E+00	9 37
0 417	-0.850	0 0236	1 41670	0 850	16 11	5 17E+00	9 49
0 500	-0.860	0 0250	1 50000	0 860	16 10	5 23E+00	9 55
0 583	-0.880	0 0264	1 58330	0 880	16 08	5 35E+00	9 67
0 667	-0.890	0 0278	1 66670	0 890	16 07	5 41E+00	9 73
0 750	-0.910	0 0292	1 75000	0 910	16 05	5 53E+00	9 85
0 833	-0.920	0 0306	1 83330	0 920	16 04	5 59E+00	9 91
0 917	-0.930	0 0319	1 91670	0 930	16 03	5 66E+00	9 97
1 000	-0.950	0 0333	2.00000	0 950	16 01	5 78E+00	10 10
1 083	-0.970	0 0347	2 08330	0 970	15 99	5 90E+00	10 22

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
1 167	-0 980	0 0361	2.16670	0 980	15 98	5 96E+00	10 28	
1 250	-0 990	0 0375	2 25000	0 990	15 97	6 02E+00	10 34	
1 333	-1 010	0 0389	2.33330	1 010	15 95	6 14E+00	10 46	
1 417	-1 020	0 0403	2.41660	1 020	15 94	6 20E+00	10 52	
1 500	-1 040	0 0417	2 50000	1 040	15 92	6 32E+00	10 64	
1 583	-1 050	0 0431	2.58330	1 050	15 91	6 39E+00	10 70	
1 667	-1 060	0 0444	2 66670	1 060	15 90	6 45E+00	10 76	
1 750	-1 080	0 0458	2 75000	1 080	15 88	6 57E+00	10 89	
1 833	-1 090	0 0472	2.83330	1 090	15 87	6 63E+00	10 95	
1 917	-1 100	0 0486	2 91670	1 100	15 86	6 69E+00	11 01	
2 000	-1 110	0 0500	3 00000	1 110	15 85	6 75E+00	11 07	
2 500	-1 190	0 0583	3 50000	1 190	15 77	7 24E+00	11 55	
3 000	-1 250	0 0667	4 00000	1 250	15 71	7 60E+00	11 92	
3 500	-1 320	0 0750	4 50000	1 320	15 64	8 03E+00	12 35	
4 000	-1 380	0 0833	5 00000	1 380	15 58	8 39E+00	12 71	
4 500	-1 440	0 0917	5 50000	1 440	15 52	8 76E+00	13 08	
5 000	-1 500	0 1000	6 00000	1 500	15 46	9 12E+00	13 44	
5 500	-1 550	0 1083	6 50000	1 550	15 41	9 43E+00	13 74	
6 000	-1 600	0 1167	7 00000	1 600	15 36	9 73E+00	14 05	
6 500	-1 650	0 1250	7 50000	1 650	15 31	1 00E+01	14 35	
7 000	-1 700	0 1333	8 00000	1 700	15 26	1 03E+01	14 66	
7 500	-1 750	0 1417	8 50000	1 750	15 21	1 06E+01	14 96	
8 000	-1 790	0 1500	9 00000	1 790	15 17	1 09E+01	15 20	
8 500	-1 840	0 1583	9 50000	1 840	15 12	1 12E+01	15 51	
9 000	-1 880	0 1667	10 00000	1 880	15 08	1 14E+01	15 75	
9 500	-1 920	0 1750	10 50000	1 920	15 04	1 17E+01	15 99	
10 000	-1 960	0 1833	11 00000	1 960	15 00	1 19E+01	16 24	
12 000	-2 080	0 2167	13 00000	2 080	14 88	1 26E+01	16 97	
14 000	-2 130	0 2500	15 00000	2 130	14 83	1 30E+01	17 27	
16 000	-2 160	0 2833	17 00000	2 160	14 80	1 31E+01	17 45	
18 000	-2 180	0 3167	19 00000	2 180	14 78	1 33E+01	17 58	
20 000	-2 200	0 3500	21 00000	2 200	14 76	1 34E+01	17 70	
22 000	-2 210	0 3833	23 00000	2 210	14 75	1 34E+01	17 76	
24 000	-2 220	0 4167	25 00000	2 220	14 74	1 35E+01	17 82	
26 000	-2 230	0 4500	27 00000	2 230	14 73	1 36E+01	17 88	
28 000	-2 240	0 4833	29 00000	2 240	14 72	1 36E+01	17 94	
30 000	-2 250	0 5167	31 00000	2 250	14 71	1 37E+01	18 00	
32 000	-2 260	0 5500	33 00000	2 260	14 70	1 37E+01	18 06	
34 000	-2 270	0 5833	35 00000	2 270	14 69	1 38E+01	18 12	
36 000	-2 280	0 6167	37 00000	2 280	14 68	1 39E+01	18 18	
38 000	-2 280	0 6500	39 00000	2 280	14 68	1 39E+01	18 18	
40 000	-2 290	0 6833	41 00000	2 290	14 67	1 39E+01	18 24	
42 000	-2 290	0 7167	43 00000	2 290	14 67	1 39E+01	18 24	
44 000	-2 300	0 7500	45 00000	2 300	14 66	1 40E+01	18 31	
46 000	-2 300	0 7833	47 00000	2 300	14 66	1 40E+01	18 31	
48 000	-2 310	0 8167	49 00000	2 310	14 65	1 40E+01	18 37	
50 000	-2 310	0 8500	51 00000	2 310	14 65	1 40E+01	18 37	
52 000	-2 320	0 8833	53 00000	2 320	14 64	1 41E+01	18 43	
54 000	-2 320	0 9167	55 00000	2 320	14 64	1 41E+01	18 43	
56 000	-2 330	0 9500	57 00000	2 330	14 63	1 42E+01	18 49	
58 000	-2 330	0 9833	59 00000	2 330	14 63	1 42E+01	18 49	
60 000	-2 340	1 0167	61 00000	2 340	14 62	1 42E+01	18 55	
62 000	-2 340	1 0500	63 00000	2 340	14 62	1 42E+01	18 55	
64 000	-2 340	1 0833	65 00000	2 340	14 62	1 42E+01	18 55	
66 000	-2 340	1 1167	67 00000	2 340	14 62	1 42E+01	18 55	
68 000	-2 350	1 1500	69 00000	2 350	14 61	1 43E+01	18 61	
70 000	-2 350	1 1833	71 00000	2 350	14 61	1 43E+01	18 61	
72 000	-2 360	1 2167	73 00000	2 360	14 60	1 44E+01	18 67	
74 000	-2 360	1 2500	75 00000	2 360	14 60	1 44E+01	18 67	
76 000	-2 360	1 2833	77 00000	2 360	14 60	1 44E+01	18 67	
78 000	-2 370	1 3167	79 00000	2 370	14 59	1 44E+01	18 73	
80 000	-2 370	1 3500	81 00000	2 370	14 59	1 44E+01	18 73	
82 000	-2 370	1 3833	83 00000	2 370	14 59	1 44E+01	18 73	
84 000	-2 380	1 4167	85 00000	2 380	14 58	1 45E+01	18 79	
86 000	-2 380	1 4500	87 00000	2 380	14 58	1 45E+01	18 79	
88 000	-2 380	1 4833	89 00000	2 380	14 58	1 45E+01	18 79	
90 000	-2 390	1 5167	91 00000	2 390	14 57	1 45E+01	18 85	
92 000	-2 390	1 5500	93 00000	2 390	14 57	1 45E+01	18 85	
94 000	-2 390	1 5833	95 00000	2 390	14 57	1 45E+01	18 85	
96 000	-2 400	1 6167	97 00000	2 400	14 56	1 46E+01	18 91	
98 000	-2 400	1 6500	99 00000	2 400	14 56	1 46E+01	18 91	
100 000	-2 400	1 6833	101 00000	2 400	14 56	1 46E+01	18 91	

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time								
110 000	-2 410	1 8500	111 00000	2 410	14 55	1 47E+01	18 97		
120 000	-2 430	2 0167	121 00000	2 430	14 53	1 48E+01	19 10		
130 000	-2 440	2 1833	131 00000	2 440	14 52	1 48E+01	19 16		
140 000	-2 450	2 3500	141 00000	2 450	14 51	1 49E+01	19 22		
150 000	-2 470	2 5167	151 00000	2 470	14 49	1 50E+01	19 34		
160 000	-2 480	2 6833	161 00000	2 480	14 48	1 51E+01	19 40		
170 000	-2 490	2 8500	171 00000	2 490	14 47	1 51E+01	19 46		
180 000	-2 500	3 0167	181 00000	2 500	14 46	1 52E+01	19 52		
190 000	-2 510	3 1833	191 00000	2 510	14 45	1 53E+01	19 58		
200 000	-2 530	3 3500	201 00000	2 530	14 43	1 54E+01	19 70		
210 000	-2 540	3 5167	211 00000	2 540	14 42	1 54E+01	19 76		
220 000	-2 540	3 6833	221 00000	2 540	14 42	1 54E+01	19 76		
230 000	-2 560	3 8500	231 00000	2 560	14 40	1 56E+01	19 89		
240 000	-2 570	4 0167	241 00000	2 570	14 39	1 56E+01	19 95		
250 000	-2 580	4 1833	251 00000	2 580	14 38	1 57E+01	20 01		
260 000	-2 590	4 3500	261 00000	2 590	14 37	1 58E+01	20 07		
270 000	-2 590	4 5167	271 00000	2 590	14 37	1 58E+01	20 07		
280 000	-2 600	4 6833	281 00000	2 600	14 36	1 58E+01	20 13		
290 000	-2 610	4 8500	291 00000	2 610	14 35	1 59E+01	20 19		
300 000	-2 620	5 0167	301 00000	2 620	14 34	1 59E+01	20 25		
310 000	-2 630	5 1833	311 00000	2 630	14 33	1 60E+01	20 31		
320 000	-2 640	5 3500	321 00000	2 640	14 32	1 61E+01	20 37		
330 000	-2 650	5 5167	331 00000	2 650	14 31	1 61E+01	20 43		
340 000	-2 660	5 6833	341 00000	2 660	14 30	1 62E+01	20 49		
350 000	-2 670	5 8500	351 00000	2 670	14 29	1 62E+01	20 56		
360 000	-2 680	6 0167	361 00000	2 680	14 28	1 63E+01	20 62		
370 000	-2 690	6 1833	371 00000	2 690	14 27	1 64E+01	20 68		
380 000	-2 700	6 3500	381 00000	2 700	14 26	1 64E+01	20 74		
390 000	-2 710	6 5167	391 00000	2 710	14 25	1 65E+01	20 80		
400 000	-2 720	6 6833	401 00000	2 720	14 24	1 65E+01	20 86		
410 000	-2 730	6 8500	411 00000	2 730	14 23	1 66E+01	20 92		
420 000	-2 730	7 0167	421 00000	2 730	14 23	1 66E+01	20 92		
430 000	-2 740	7 1833	431 00000	2 740	14 22	1 67E+01	20 98		
440 000	-2 750	7 3500	441 00000	2 750	14 21	1 67E+01	21 04		
450 000	-2 760	7 5167	451 00000	2 760	14 20	1 68E+01	21 10		
460 000	-2 770	7 6833	461 00000	2 770	14 19	1 68E+01	21 16		
470 000	-2 780	7 8500	471 00000	2 780	14 18	1 69E+01	21 22		
480 000	-2 790	8 0167	481 00000	2 790	14 17	1 70E+01	21 29		
490 000	-2 790	8 1833	491 00000	2 790	14 17	1 70E+01	21 29		
500 000	-2 800	8 3500	501 00000	2 800	14 16	1 70E+01	21 35		
510 000	-2 810	8 5167	511 00000	2 810	14 15	1 71E+01	21 41		
520 000	-2 820	8 6833	521 00000	2 820	14 14	1 71E+01	21 47		
530 000	-2 830	8 8500	531 00000	2 830	14 13	1 72E+01	21 53		
540 000	-2 840	9 0167	541 00000	2 840	14 12	1 73E+01	21 59		
550 000	-2 850	9 1833	551 00000	2 850	14 11	1 73E+01	21 65		
560 000	-2 860	9 3500	561 00000	2 860	14 10	1 74E+01	21 71		
570 000	-2 870	9 5167	571 00000	2 870	14 09	1 75E+01	21 77		
580 000	-2 870	9 6833	581 00000	2 870	14 09	1 75E+01	21 77		
590 000	-2 880	9 8500	591 00000	2 880	14 08	1 75E+01	21 83		
600 000	-2 890	10 0167	601 00000	2 890	14 07	1 76E+01	21 89		
610 000	-2 900	10 1833	611 00000	2 900	14 06	1 76E+01	21 95		
620 000	-2 910	10 3500	621 00000	2 910	14 05	1 77E+01	22 01		
630 000	-2 920	10 5167	631 00000	2 920	14 04	1 78E+01	22 08		
640 000	-2 930	10 6833	641 00000	2 930	14 03	1 78E+01	22 14		
650 000	-2 940	10 8500	651 00000	2 940	14 02	1 79E+01	22 20		
660 000	-2 950	11 0167	661 00000	2 950	14 01	1 79E+01	22 26		
670 000	-2 950	11 1833	671 00000	2 950	14 01	1 79E+01	22 26		
680 000	-2 960	11 3500	681 00000	2 960	14 00	1 80E+01	22 32		
690 000	-2 970	11 5167	691 00000	2 970	13 99	1 81E+01	22 38		
700 000	-2 980	11 6833	701 00000	2 980	13 98	1 81E+01	22 44		
710 000	-2 990	11 8500	711 00000	2 990	13 97	1 82E+01	22 50		
720 000	-3 000	12 0167	721 00000	3 000	13 96	1 82E+01	22 56		
730 000	-3 000	12 1833	731 00000	3 000	13 96	1 82E+01	22 56		
740 000	-3 010	12 3500	741 00000	3 010	13 95	1 83E+01	22 62		
750 000	-3 020	12 5167	751 00000	3 020	13 94	1 84E+01	22 68		
760 000	-3 030	12 6833	761 00000	3 030	13 93	1 84E+01	22 74		
770 000	-3 040	12 8500	771 00000	3 040	13 92	1 85E+01	22 81		
780 000	-3 040	13 0167	781 00000	3 040	13 92	1 85E+01	22 81		
790 000	-3 050	13 1833	791 00000	3 050	13 91	1 85E+01	22 87		
800 000	-3 060	13 3500	801 00000	3 060	13 90	1 86E+01	22 93		
810 000	-3 070	13 5167	811 00000	3 070	13 89	1 87E+01	22 99		
820 000	-3 080	13 6833	821 00000	3 080	13 88	1 87E+01	23 05		

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
830 000	-3 080	13 8500	831 00000	3 080	13 88		1 87E+01	23 05
840 000	-3 090	14 0167	841 00000	3 090	13 87		1 88E+01	23 11
850 000	-3 100	14 1833	851 00000	3 100	13 86		1 89E+01	23 17
860 000	-3 100	14 3500	861 00000	3 100	13 86		1 89E+01	23 17
870 000	-3 110	14 5167	871 00000	3 110	13 85		1 89E+01	23 23
880 000	-3 120	14 6833	881 00000	3 120	13 84		1 90E+01	23 29
890 000	-3 130	14 8500	891 00000	3 130	13 83		1 90E+01	23 35
900 000	-3 130	15 0167	901 00000	3 130	13 83		1 90E+01	23 35
910 000	-3 140	15 1833	911 00000	3 140	13 82		1 91E+01	23 41
920 000	-3 150	15 3500	921 00000	3 150	13 81		1 92E+01	23 47
930 000	-3 150	15 5167	931 00000	3 150	13 81		1 92E+01	23 47
940 000	-3 160	15 6833	941 00000	3 160	13 80		1 92E+01	23 54
950 000	-3 160	15 8500	951 00000	3 160	13 80		1 92E+01	23 54
960 000	-3 170	16 0167	961 00000	3 170	13 79		1 93E+01	23 60
970 000	-3 180	16 1833	971 00000	3 180	13 78		1 93E+01	23 66
980 000	-3 190	16 3500	981 00000	3 190	13 77		1 94E+01	23 72
990 000	-3 190	16 5167	991 00000	3 190	13 77		1 94E+01	23 72
1000 000	-3 200	16 6833	1001 00000	3 200	13 76		1 95E+01	23 78
1100 000	-3 260	18 3500	1101 00000	3 260	13 70		1 98E+01	24 14
1200 000	-3 320	20 0167	1201 00000	3 320	13 64		2 02E+01	24 51
1300 000	-3 390	21 6833	1301 00000	3 390	13 57		2 06E+01	24 93
1400 000	-3 450	23 3500	1401 00000	3 450	13 51		2 10E+01	25 30
1500 000	-3 500	25 0167	1501 00000	3 500	13 46		2 13E+01	25 60
1600 000	-3 560	26 6833	1601 00000	3 560	13 40		2 16E+01	25 97
1700 000	-3 610	28 3500	1701 00000	3 610	13 35		2 20E+01	26 27
1800 000	-3 670	30 0167	1801 00000	3 670	13 29		2 23E+01	26 64
1900 000	-3 730	31 6833	1901 00000	3 730	13 23		2 27E+01	27 00
2000 000	-3 780	33 3500	2001 00000	3 780	13 18		2 30E+01	27 31
2100 000	-3 830	35 0167	2101 00000	3 830	13 13		2 33E+01	27 61
2200 000	-3 880	36 6833	2201 00000	3 880	13 08		2 36E+01	27 91
2300 000	-3 930	38 3500	2301 00000	3 930	13 03		2 39E+01	28 22
2400 000	-3 980	40 0167	2401 00000	3 980	12 98		2 42E+01	28 52
2500 000	-4 020	41 6833	2501 00000	4 020	12 94		2 44E+01	28 77
2600 000	-4 070	43 3500	2601 00000	4 070	12 89		2 48E+01	29 07
2700 000	-4 110	45 0167	2701 00000	4 110	12 85		2 50E+01	29 31
2800 000	-4 160	46 6833	2801 00000	4 160	12 80		2 53E+01	29 62
2900 000	-4 200	48 3500	2901 00000	4 200	12 76		2 55E+01	29 86
3000 000	-4 240	50 0167	3001 00000	4 240	12 72		2 58E+01	30 10
3100 000	-4 290	51 6833	3101 00000	4 290	12 67		2 61E+01	30 41
3200 000	-4 340	53 3500	3201 00000	4 340	12 62		2 64E+01	30 71
3300 000	-4 370	55 0167	3301 00000	4 370	12 59		2 66E+01	30 89
3400 000	-4 410	56 6833	3401 00000	4 410	12 55		2 68E+01	31 14
3500 000	-4 450	58 3500	3501 00000	4 450	12 51		2 71E+01	31 38
3600 000	-4 490	60 0167	3601 00000	4 490	12 47		2 73E+01	31 62
3700 000	-4 530	61 6833	3701 00000	4 530	12 43		2 75E+01	31 87
3800 000	-4 570	63 3500	3801 00000	4 570	12 39		2 78E+01	32 11
3900 000	-4 620	65 0167	3901 00000	4 620	12 34		2 81E+01	32 41
4000 000	-4 650	66 6833	4001 00000	4 650	12 31		2 83E+01	32 60
4100 000	-4 690	68 3500	4101 00000	4 690	12 27		2 85E+01	32 84
4200 000	-4 730	70 0167	4201 00000	4 730	12 23		2 88E+01	33 08
4300 000	-4 760	71 6833	4301 00000	4 760	12 20		2 89E+01	33 27
4400 000	-4 800	73 3500	4401 00000	4 800	12 16		2 92E+01	33 51
4500 000	-4 850	75 0167	4501 00000	4 850	12 11		2 95E+01	33 81
4600 000	-4 880	76 6833	4601 00000	4 880	12 08		2 97E+01	34 00
4700 000	-4 920	78 3500	4701 00000	4 920	12 04		2 99E+01	34 24
4800 000	-4 960	80 0167	4801 00000	4 960	12 00		3 02E+01	34 48
4900 000	-5 000	81 6833	4901 00000	5 000	11 96		3 04E+01	34 73
5000 000	-5 030	83 3500	5001 00000	5 030	11 93		3 06E+01	34 91
5100 000	-5 070	85 0167	5101 00000	5 070	11 89		3 08E+01	35 15
5200 000	-5 110	86 6833	5201 00000	5 110	11 85		3 11E+01	35 39
5300 000	-5 140	88 3500	5301 00000	5 140	11 82		3 13E+01	35 58
5400 000	-5 180	90 0167	5401 00000	5 180	11 78		3 15E+01	35 82
5500 000	-5 200	91 6833	5501 00000	5 200	11 76		3 16E+01	35 94
5600 000	-5 230	93 3500	5601 00000	5 230	11 73		3 18E+01	36 12
5700 000	-5 260	95 0167	5701 00000	5 260	11 70		3 20E+01	36 31
5800 000	-5 290	96 6833	5801 00000	5 290	11 67		3 22E+01	36 49
5900 000	-5 320	98 3500	5901 00000	5 320	11 64		3 24E+01	36 67
6000 000	-5 360	100 0167	6001 00000	5 360	11 60		3 26E+01	36 91
6100 000	-5 380	101 6833	6101 00000	5 380	11 58		3 27E+01	37 04
6200 000	-5 410	103 3500	6201 00000	5 410	11 55		3 29E+01	37 22
6300 000	-5 440	105 0167	6301 00000	5 440	11 52		3 31E+01	37 40
6400 000	-5 470	106 6833	6401 00000	5 470	11 49		3 33E+01	37 58

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer (minutes)	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
6500 000	-5 490	108 3500	6501 00000	5 490	11 47		3 34E+01	37 70
6600 000	-5 520	110 0167	6601 00000	5 520	11 44		3 36E+01	37 89
6700 000	-5 550	111 6833	6701 00000	5 550	11 41		3 38E+01	38 07
6800 000	-5 570	113 3500	6801 00000	5 570	11 39		3 39E+01	38 19
6900 000	-5 600	115 0167	6901 00000	5 600	11 36		3 41E+01	38 37
7000 000	-5 620	116 6833	7001 00000	5 620	11 34		3 42E+01	38 50
7100 000	-5 650	118 3500	7101 00000	5 650	11 31		3 44E+01	38 68
7200 000	-5 670	120 0167	7201 00000	5 670	11 29		3 45E+01	38 80
7300 000	-5 680	121 6833	7301 00000	5 680	11 28		3 45E+01	38 86
7400 000	-5 710	123 3500	7401 00000	5 710	11 25		3 47E+01	39 04
7500 000	-5 730	125 0167	7501 00000	5 730	11 23		3 48E+01	39 16
7600 000	-5 760	126 6833	7601 00000	5 760	11 20		3 50E+01	39 35
7700 000	-5 790	128 3500	7701 00000	5 790	11 17		3 52E+01	39 53
7800 000	-5 810	130 0167	7801 00000	5 810	11 15		3 53E+01	39 65
7900 000	-5 830	131 6833	7901 00000	5 830	11 13		3 55E+01	39 77
8000 000	-5 850	133 3500	8001 00000	5 850	11 11		3 56E+01	39 89
8100 000	-5 870	135 0167	8101 00000	5 870	11 09		3 57E+01	40 02
8200 000	-5 890	136 6833	8201 00000	5 890	11 07		3 58E+01	40 14
8300 000	-5 910	138 3500	8301 00000	5 910	11 05		3 59E+01	40 26
8400 000	-5 930	140 0167	8401 00000	5 930	11 03		3 61E+01	40 38
8500 000	-5 950	141 6833	8501 00000	5 950	11 01		3 62E+01	40 50
8600 000	-5 970	143 3500	8601 00000	5 970	10 99		3 63E+01	40 62
8700 000	-5 980	145 0167	8701 00000	5 980	10 98		3 64E+01	40 68
8800 000	-6 000	146 6833	8801 00000	6 000	10 96		3 65E+01	40 81

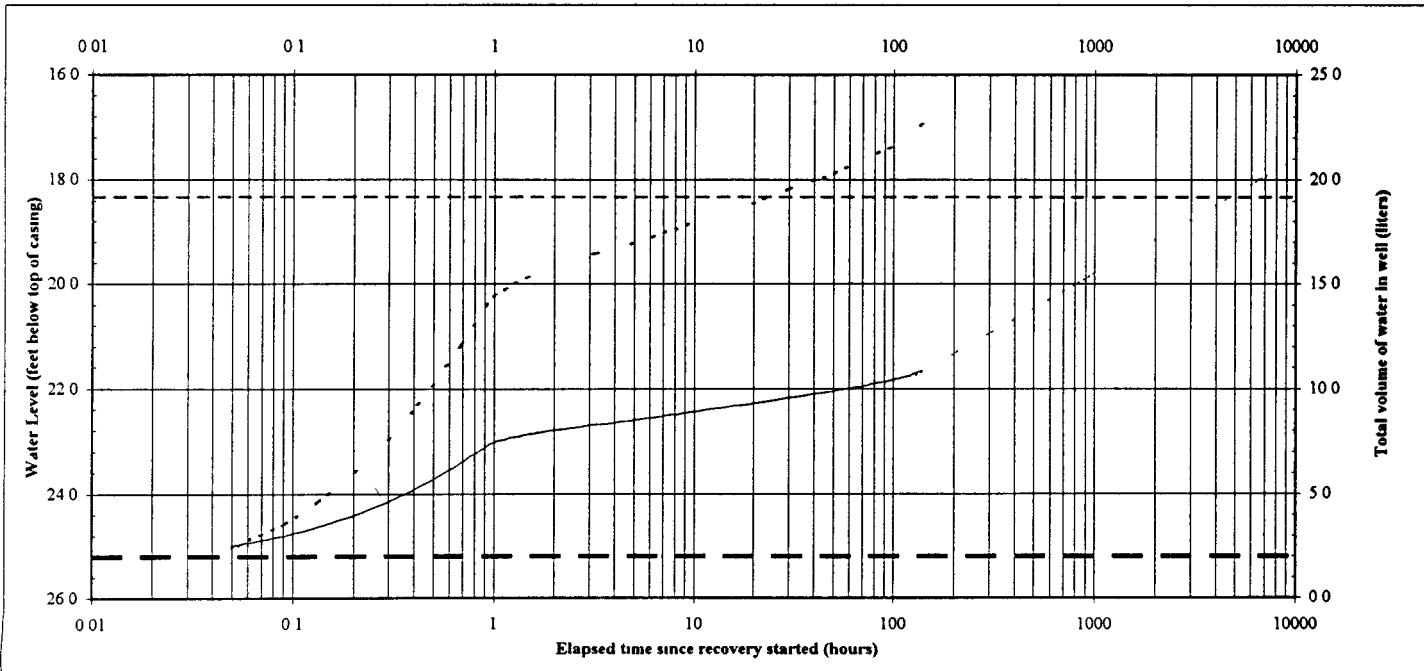
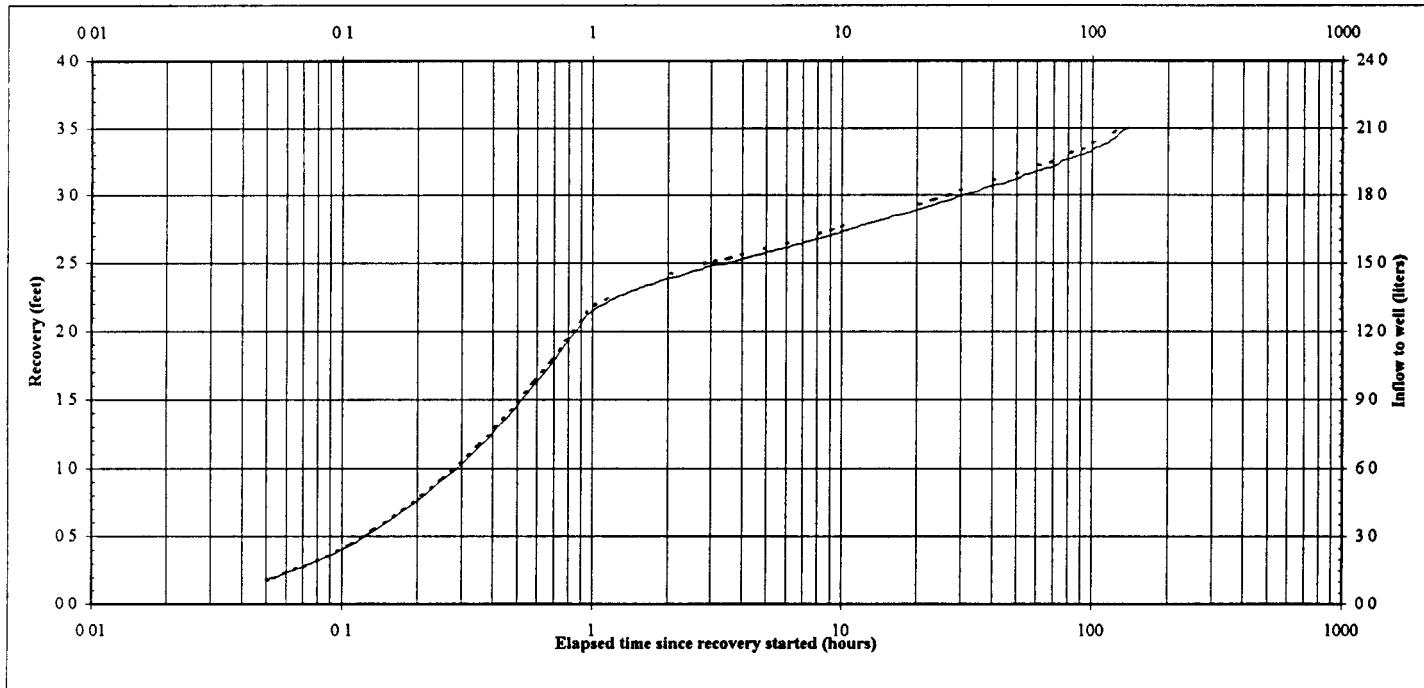
Well No. 37791

Measured recovery after sampling

Date: 23-Aug-94

3rd quarter 1994

Pre-sampling Static Water Level
 - - - - -
 Bottom of well
 - - - - - Extrapolation to 100% recovery



Well No. **37791**

Date Sampled **3rd quarter**
23-Aug-94

Final bail time	14.14	Delay	3 00	Minutes
Set transducer time	14.17			
Static water level (pre sampling)	18.3	feet below top of casing		
Final water level (post recovery)	21.7	feet below top of casing		
Last recorded water level	-3.5	feet below transducer		
Transducer reference depth	25.2	feet below top of casing		
Bottom of well	25.2	feet below top of casing		
First recorded water level	-0.2	feet below transducer		
First recorded water level	25.0	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.3	liters		
Well diameter	10.3	inches	0.854	feet
Well radius	5.1	inches	0.427	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.261	feet
Top of sandpack	8.8	feet below top of casing		
			0.62 liters/foot	
			6.08 liters/foot	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
0 000	0 000	-0 190	0 0500	3 00000	0 190	24 98		
0 003	0 003	-0 180	0 0501	3 00330	0 180	24 99	1 09E+00	2 43
0 007	0 007	-0 200	0 0501	3 00660	0 200	24 97	1 22E+00	2 55
0 010	0 010	-0 190	0 0502	3 00990	0 190	24 98	1 16E+00	2 49
0 013	0 013	-0 190	0 0502	3 01330	0 190	24 98	1 16E+00	2 49
0 017	0 017	-0 190	0 0503	3 01660	0 190	24 98	1 16E+00	2 49
0 020	0 020	-0 190	0 0503	3 02000	0 190	24 98	1 16E+00	2 49
0 023	0 023	-0 190	0 0504	3 02330	0 190	24 98	1 16E+00	2 49
0 027	0 027	-0 190	0 0504	3 02660	0 190	24 98	1 16E+00	2 49
0 030	0 030	-0 190	0 0505	3 03000	0 190	24 98	1 16E+00	2 49
0 033	0 033	-0 190	0 0506	3 03330	0 190	24 98	1 16E+00	2 49
0 050	0 050	-0 180	0 0508	3 05000	0 180	24 99	1 09E+00	2 43
0 067	0 067	-0 180	0 0511	3 06660	0 180	24 99	1 09E+00	2 43
0 083	0 083	-0 190	0 0514	3 08330	0 190	24 98	1 16E+00	2 49
0 100	0 100	-0 200	0 0517	3 10000	0 200	24 97	1 22E+00	2 55
0 117	0 117	-0 200	0 0519	3 11660	0 200	24 97	1 22E+00	2 55
0 133	0 133	-0 200	0 0522	3 13330	0 200	24 97	1 22E+00	2 55
0 150	0 150	-0 200	0 0525	3 15000	0 200	24 97	1 22E+00	2 55
0 167	0 167	-0 200	0 0528	3 16660	0 200	24 97	1 22E+00	2 55
0 183	0 183	-0 200	0 0531	3 18330	0 200	24 97	1 22E+00	2 55
0 200	0 200	0 200	0 0533	3 20000	0 200	24 97	1 22E+00	2 55
0 217	0 217	-0 200	0 0536	3 21660	0 200	24 97	1 22E+00	2 55
0 233	0 233	-0 200	0 0539	3 23330	0 200	24 97	1 22E+00	2 55
0 250	0 250	-0 200	0 0542	3 25000	0 200	24 97	1 22E+00	2 55
0 267	0 267	-0 200	0 0544	3 26660	0 200	24 97	1 22E+00	2 55
0 283	0 283	-0 210	0 0547	3 28330	0 210	24 96	1 28E+00	2 62
0 300	0 300	-0 210	0 0550	3 30000	0 210	24 96	1 28E+00	2 62
0 317	0 317	-0 210	0 0553	3 31660	0 210	24 96	1 28E+00	2 62
0 333	0 333	-0 210	0 0556	3 33330	0 210	24 96	1 28E+00	2 62
0 417	0 417	-0 220	0 0569	3 41670	0 220	24 95	1 34E+00	2 68
0 500	0 500	-0 230	0 0583	3 50000	0 230	24 94	1 40E+00	2 74
0 583	0 583	-0 240	0 0597	3 58330	0 240	24 93	1 46E+00	2 80
0 667	0 667	-0 240	0 0611	3 66670	0 240	24 93	1 46E+00	2.80
0 750	0 750	-0 250	0 0625	3 75000	0 250	24 92	1 52E+00	2 86
0 833	0 833	0 250	0 0639	3 83330	0 250	24 92	1 52E+00	2 86
0 917	0 917	-0 260	0 0653	3 91670	0 260	24 91	1 58E+00	2 92
1 000	1 000	-0 270	0 0667	4 00000	0 270	24 90	1 64E+00	2 98
1 083	1 083	-0 270	0 0681	4 08330	0 270	24 90	1 64E+00	2 98

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
1 167	-0 280	0 0694	4 16670	0 280	24 89		1 70E+00	3 04
1 250	-0 280	0 0708	4 25000	0 280	24 89		1 70E+00	3 04
1 333	-0 290	0 0722	4 33330	0 290	24 88		1 76E+00	3 10
1 417	-0 300	0 0736	4 41660	0 300	24 87		1 82E+00	3 16
1 500	-0 300	0 0750	4 50000	0 300	24 87		1 82E+00	3 16
1 583	-0 310	0 0764	4 58330	0 310	24 86		1 89E+00	3 22
1 667	-0 320	0 0778	4 66670	0 320	24 85		1 95E+00	3 28
1 750	-0 320	0 0792	4 75000	0 320	24 85		1 95E+00	3 28
1 833	-0 330	0 0806	4 83330	0 330	24 84		2 01E+00	3 34
1 917	-0 330	0 0819	4 91670	0 330	24 84		2 01E+00	3 34
2 000	-0 340	0 0833	5 00000	0 340	24 83		2 07E+00	3 41
2 500	-0 370	0 0917	5 50000	0 370	24 80		2 25E+00	3 59
3 000	-0 410	0 1000	6 00000	0 410	24 76		2 49E+00	3 83
3 500	-0 440	0 1083	6 50000	0 440	24 73		2 68E+00	4 01
4 000	0 470	0 1167	7 00000	0 470	24 70		2 86E+00	4 20
4 500	-0 510	0 1250	7 50000	0 510	24 66		3 10E+00	4 44
5 000	-0 540	0 1333	8 00000	0 540	24 63		3 28E+00	4 62
5 500	0 570	0 1417	8 50000	0 570	24 60		3 47E+00	4 80
6 000	0 600	0 1500	9 00000	0 600	24 57		3 65E+00	4 99
6 500	0 630	0 1583	9 50000	0 630	24 54		3 83E+00	5 17
7 000	-0 660	0 1667	10 00000	0 660	24 51		4 01E+00	5 35
7 500	-0 690	0 1750	10 50000	0 690	24 48		4 20E+00	5 53
8 000	-0 710	0 1833	11 00000	0 710	24 46		4 32E+00	5 66
8 500	-0 740	0 1917	11 50000	0 740	24 43		4 50E+00	5 84
9 000	0 760	0 2000	12 00000	0 760	24 41		4 62E+00	5 96
9 500	0 790	0 2083	12 50000	0 790	24 38		4 80E+00	6 14
10 000	0 810	0 2167	13 00000	0 810	24 36		4 93E+00	6 26
12 000	-0 910	0 2500	15 00000	0 910	24 26		5 53E+00	6 87
14 000	0 990	0 2833	17 00000	0 990	24 18		6 02E+00	7 36
16 000	-1 070	0 3167	19 00000	1 070	24 10		6 51E+00	7 85
18 000	-1 150	0 3500	21 00000	1 150	24 02		6 99E+00	8 33
20 000	-1 220	0 3833	23 00000	1 220	23 95		7 42E+00	8 76
22 000	1 300	0 4167	25 00000	1 300	23 87		7 91E+00	9 24
24 000	-1 360	0 4500	27 00000	1 360	23 81		8 27E+00	9 61
26 000	-1 420	0 4833	29 00000	1 420	23 75		8 64E+00	9 97
28 000	1 490	0 5167	31 00000	1 490	23 68		9 06E+00	10 40
30 000	1 550	0 5500	33 00000	1 550	23 62		9 43E+00	10 76
32 000	1 610	0 5833	35 00000	1 610	23 56		9 79E+00	11 13
34 000	-1 660	0 6167	37 00000	1 660	23 51		1 01E+01	11 43
36 000	1 710	0 6500	39 00000	1 710	23 46		1 04E+01	11 74
38 000	1 760	0 6833	41 00000	1 760	23 41		1 07E+01	12 04
40 000	1 810	0 7167	43 00000	1 810	23 36		1 10E+01	12 35
42 000	1 870	0 7500	45 00000	1 870	23 30		1 14E+01	12 71
44 000	-1 910	0 7833	47 00000	1 910	23 26		1 16E+01	12 95
46 000	-1 950	0 8167	49 00000	1 950	23 22		1 19E+01	13 20
48 000	-1 990	0 8500	51 00000	1 990	23 18		1 21E+01	13 44
50 000	-2 030	0 8833	53 00000	2 030	23 14		1 23E+01	13 68
52 000	-2 080	0 9167	55 00000	2 080	23 09		1 26E+01	13 99
54 000	2 120	0 9500	57 00000	2 120	23 05		1 29E+01	14 23
56 000	2 140	0 9833	59 00000	2 140	23 03		1 30E+01	14 35
58 000	2 160	1 0167	61 00000	2 160	23 01		1 31E+01	14 47
60 000	-2 180	1 0500	63 00000	2 180	22 99		1 33E+01	14 60
62 000	-2 190	1 0833	65 00000	2 190	22 98		1 33E+01	14 66
64 000	-2 200	1 1167	67 00000	2 200	22 97		1 34E+01	14 72
66 000	-2 210	1 1500	69 00000	2 210	22 96		1 34E+01	14 78
68 000	-2 230	1 1833	71 00000	2 230	22 94		1 36E+01	14 90
70 000	2 240	1 2167	73 00000	2 240	22 93		1 36E+01	14 96
72 000	2 250	1 2500	75 00000	2 250	22 92		1 37E+01	15 02
74 000	-2 260	1 2833	77 00000	2 260	22 91		1 37E+01	15 08
76 000	-2 260	1 3167	79 00000	2 260	22 91		1 37E+01	15 08
78 000	-2 270	1 3500	81 00000	2 270	22 90		1 38E+01	15 14
80 000	-2 280	1 3833	83 00000	2 280	22 89		1 39E+01	15 20
82 000	2 290	1 4167	85 00000	2 290	22 88		1 39E+01	15 26
84 000	-2 300	1 4500	87 00000	2 300	22 87		1 40E+01	15 33
86 000	-2 300	1 4833	89 00000	2 300	22 87		1 40E+01	15 33
88 000	-2 310	1 5167	91 00000	2 310	22 86		1 40E+01	15 39
90 000	2 320	1 5500	93 00000	2 320	22 85		1 41E+01	15 45
92 000	2 320	1 5833	95 00000	2 320	22 85		1 41E+01	15 45
94 000	2 330	1 6167	97 00000	2 330	22 84		1 42E+01	15 51
96 000	-2 340	1 6500	99 00000	2 340	22 83		1 42E+01	15 57
98 000	-2 340	1 6833	101 00000	2 340	22 83		1 42E+01	15 57
100 000	2 340	1 7167	103 00000	2 340	22 83		1 42E+01	15 57

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
110 000	-2 370	1 8833	113 00000	2 370	22 80	1 44E+01	15 75	
120 000	-2 390	2 0500	123 00000	2 390	22 78	1 45E+01	15 87	
130 000	-2 400	2 2167	133 00000	2 400	22 77	1 46E+01	15 93	
140 000	-2 420	2 3833	143 00000	2 420	22 75	1 47E+01	16 06	
150 000	-2 440	2 5500	153 00000	2 440	22 73	1 48E+01	16 18	
160 000	-2 450	2 7167	163 00000	2 450	22 72	1 49E+01	16 24	
170 000	-2 470	2 8833	173 00000	2 470	22 70	1 50E+01	16 36	
180 000	-2 480	3 0500	183 00000	2 480	22 69	1 51E+01	16 42	
190 000	-2 490	3 2167	193 00000	2 490	22 68	1 51E+01	16 48	
200 000	-2 490	3 3833	203 00000	2 490	22 68	1 51E+01	16 48	
210 000	-2 500	3 5500	213 00000	2 500	22 67	1 52E+01	16 54	
220 000	-2 510	3 7167	223 00000	2 510	22 66	1 53E+01	16 60	
230 000	-2 520	3 8833	233 00000	2 520	22 65	1 53E+01	16 66	
240 000	-2 530	4 0500	243 00000	2 530	22 64	1 54E+01	16 72	
250 000	-2 540	4 2167	253 00000	2 540	22 63	1 54E+01	16 78	
260 000	2 550	4 3833	263 00000	2 550	22 62	1 55E+01	16 85	
270 000	-2 560	4 5500	273 00000	2 560	22 61	1 56E+01	16 91	
280 000	-2 560	4 7167	283 00000	2 560	22 61	1 56E+01	16 91	
290 000	-2 570	4 8833	293 00000	2 570	22 60	1 56E+01	16 97	
300 000	2 580	5 0500	303 00000	2 580	22 59	1 57E+01	17 03	
310 000	-2 580	5 2167	313 00000	2 580	22 59	1 57E+01	17 03	
320 000	-2 590	5 3833	323 00000	2 590	22 58	1 58E+01	17 09	
330 000	-2 600	5 5500	333 00000	2 600	22 57	1 58E+01	17 15	
340 000	-2 600	5 7167	343 00000	2 600	22 57	1 58E+01	17 15	
350 000	-2 610	5 8833	353 00000	2 610	22 56	1 59E+01	17 21	
360 000	-2 610	6 0500	363 00000	2 610	22 56	1 59E+01	17 21	
370 000	-2 620	6 2167	373 00000	2 620	22 55	1 59E+01	17 27	
380 000	-2 630	6 3833	383 00000	2 630	22 54	1 60E+01	17 33	
390 000	-2 630	6 5500	393 00000	2 630	22 54	1 60E+01	17 33	
400 000	-2 640	6 7167	403 00000	2 640	22 53	1 61E+01	17 39	
410 000	-2 640	6 8833	413 00000	2 640	22 53	1 61E+01	17 39	
420 000	-2 650	7 0500	423 00000	2 650	22 52	1 61E+01	17 45	
430 000	-2 660	7 2167	433 00000	2 660	22 51	1 62E+01	17 51	
440 000	2 660	7 3833	443 00000	2 660	22 51	1 62E+01	17 51	
450 000	2 670	7 5500	453 00000	2 670	22 50	1 62E+01	17 58	
460 000	-2 670	7 7167	463 00000	2 670	22 50	1 62E+01	17 58	
470 000	-2 680	7 8833	473 00000	2 680	22 49	1 63E+01	17 64	
480 000	2 680	8 0500	483 00000	2 680	22 49	1 63E+01	17 64	
490 000	2 680	8 2167	493 00000	2 680	22 49	1 63E+01	17 64	
500 000	-2 690	8 3833	503 00000	2 690	22 48	1 64E+01	17 70	
510 000	-2 690	8 5500	513 00000	2 690	22 48	1 64E+01	17 70	
520 000	-2 700	8 7167	523 00000	2 700	22 47	1 64E+01	17 76	
530 000	-2 700	8 8833	533 00000	2 700	22 47	1 64E+01	17 76	
540 000	-2 710	9 0500	543 00000	2 710	22 46	1 65E+01	17 82	
550 000	-2 710	9 2167	553 00000	2 710	22 46	1 65E+01	17 82	
560 000	2 720	9 3833	563 00000	2 720	22 45	1 65E+01	17 88	
570 000	2 720	9 5500	573 00000	2 720	22 45	1 65E+01	17 88	
580 000	-2 720	9 7167	583 00000	2 720	22 45	1 65E+01	17 88	
590 000	-2 730	9 8833	593 00000	2 730	22 44	1 66E+01	17 94	
600 000	2 730	10 0500	603 00000	2 730	22 44	1 66E+01	17 94	
610 000	2 740	10 2167	613 00000	2 740	22 43	1 67E+01	18 00	
620 000	2 740	10 3833	623 00000	2 740	22 43	1 67E+01	18 00	
630 000	-2 740	10 5500	633 00000	2 740	22 43	1 67E+01	18 00	
640 000	-2 750	10 7167	643 00000	2 750	22 42	1 67E+01	18 06	
650 000	-2 750	10 8833	653 00000	2 750	22 42	1 67E+01	18 06	
660 000	-2 760	11 0500	663 00000	2 760	22 41	1 68E+01	18 12	
670 000	-2 760	11 2167	673 00000	2 760	22 41	1 68E+01	18 12	
680 000	-2 760	11 3833	683 00000	2 760	22 41	1 68E+01	18 12	
690 000	-2 770	11 5500	693 00000	2 770	22 40	1 68E+01	18 18	
700 000	-2 770	11 7167	703 00000	2 770	22 40	1 68E+01	18 18	
710 000	-2 780	11 8833	713 00000	2 780	22 39	1 69E+01	18 24	
720 000	-2 780	12 0500	723 00000	2 780	22 39	1 69E+01	18 24	
730 000	2 780	12 2167	733 00000	2 780	22 39	1 69E+01	18 24	
740 000	-2 780	12 3833	743 00000	2 780	22 39	1 69E+01	18 24	
750 000	-2 790	12 5500	753 00000	2 790	22 38	1 70E+01	18 31	
760 000	2 790	12 7167	763 00000	2 790	22 38	1 70E+01	18 31	
770 000	2 790	12 8833	773 00000	2 790	22 38	1 70E+01	18 31	
780 000	2 800	13 0500	783 00000	2 800	22 37	1 70E+01	18 37	
790 000	-2 800	13 2167	793 00000	2 800	22 37	1 70E+01	18 37	
800 000	2 800	13 3833	803 00000	2 800	22 37	1 70E+01	18 37	
810 000	2 800	13 5500	813 00000	2 800	22 37	1 71E+01	18 37	
820 000	-2 810	13 7167	823 00000	2 810	22 36	1 71E+01	18 43	

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
830 000	-2 810	13 8833	833 00000	2 810	22 36		1 71E+01	18 43
840 000	-2 810	14 0500	843 00000	2 810	22 36		1 71E+01	18 43
850 000	-2 820	14 2167	853 00000	2 820	22 35		1 71E+01	18 49
860 000	-2 820	14 3833	863 00000	2 820	22 35		1 71E+01	18 49
870 000	-2 820	14 5500	873 00000	2 820	22 35		1 71E+01	18 49
880 000	-2 820	14 7167	883 00000	2 820	22 35		1 71E+01	18 49
890 000	2 830	14 8833	893 00000	2 830	22 34		1 72E+01	18 55
900 000	-2 830	15 0500	903 00000	2 830	22 34		1 72E+01	18 55
910 000	2 830	15 2167	913 00000	2 830	22 34		1 72E+01	18 55
920 000	-2 830	15 3833	923 00000	2 830	22 34		1 72E+01	18 55
930 000	-2 840	15 5500	933 00000	2 840	22 33		1 73E+01	18 61
940 000	-2 840	15 7167	943 00000	2 840	22 33		1 73E+01	18 61
950 000	-2 840	15 8833	953 00000	2 840	22 33		1 73E+01	18 61
960 000	-2 850	16 0500	963 00000	2 850	22 32		1 73E+01	18 67
970 000	2 850	16 2167	973 00000	2 850	22 32		1 73E+01	18 67
980 000	-2 850	16 3833	983 00000	2 850	22 32		1 73E+01	18 67
990 000	-2 850	16 5500	993 00000	2 850	22 32		1 73E+01	18 67
1000 000	-2 850	16 7167	1003 00000	2 850	22 32		1 73E+01	18 67
1100 000	-2 870	18 3833	1103 00000	2 870	22 30		1 75E+01	18 79
1200 000	2 890	20 0500	1203 00000	2 890	22 28		1 76E+01	18 91
1300 000	2 910	21 7167	1303 00000	2 910	22 26		1 77E+01	19 03
1400 000	-2 930	23 3833	1403 00000	2 930	22 24		1 78E+01	19 16
1500 000	-2 950	25 0500	1503 00000	2 950	22 22		1 79E+01	19 28
1600 000	2 960	26 7167	1603 00000	2 960	22 21		1 80E+01	19 34
1700 000	-2 980	28 3833	1703 00000	2 980	22 19		1 81E+01	19 46
1800 000	3 000	30 0500	1803 00000	3 000	22 17		1 82E+01	19 58
1900 000	3 010	31 7167	1903 00000	3 010	22 16		1 83E+01	19 64
2000 000	-3 020	33 3833	2003 00000	3 020	22 15		1 84E+01	19 70
2100 000	-3 030	35 0500	2103 00000	3 030	22 14		1 84E+01	19 76
2200 000	-3 050	36 7167	2203 00000	3 050	22 12		1 85E+01	19 89
2300 000	3 060	38 3833	2303 00000	3 060	22 11		1 86E+01	19 95
2400 000	-3 070	40 0500	2403 00000	3 070	22 10		1 87E+01	20 01
2500 000	-3 080	41 7167	2503 00000	3 080	22 09		1 87E+01	20 07
2600 000	-3 080	43 3833	2603 00000	3 080	22 09		1 87E+01	20 07
2700 000	-3 090	45 0500	2703 00000	3 090	22 08		1 88E+01	20 13
2800 000	-3 100	46 7167	2803 00000	3 100	22 07		1 89E+01	20 19
2900 000	-3 110	48 3833	2903 00000	3 110	22 06		1 89E+01	20 25
3000 000	-3 120	50 0500	3003 00000	3 120	22 05		1 90E+01	20 31
3100 000	-3 130	51 7167	3103 00000	3 130	22 04		1 90E+01	20 37
3200 000	-3 150	53 3833	3203 00000	3 150	22 02		1 92E+01	20 49
3300 000	-3 150	55 0500	3303 00000	3 150	22 02		1 92E+01	20 49
3400 000	3 160	56 7167	3403 00000	3 160	22 01		1 92E+01	20 56
3500 000	-3 170	58 3833	3503 00000	3 170	22 00		1 93E+01	20 62
3600 000	-3 180	60 0500	3603 00000	3 180	21 99		1 93E+01	20 68
3700 000	-3 180	61 7167	3703 00000	3 180	21 99		1 93E+01	20 68
3800 000	-3 190	63 3833	3803 00000	3 190	21 98		1 94E+01	20 74
3900 000	-3 200	65 0500	3903 00000	3 200	21 97		1 95E+01	20 80
4000 000	-3 200	66 7167	4003 00000	3 200	21 97		1 95E+01	20 80
4100 000	-3 200	68 3833	4103 00000	3 200	21 97		1 95E+01	20 80
4200 000	-3 210	70 0500	4203 00000	3 210	21 96		1 95E+01	20 86
4300 000	-3 220	71 7167	4303 00000	3 220	21 95		1 96E+01	20 92
4400 000	-3 230	73 3833	4403 00000	3 230	21 94		1 96E+01	20 98
4500 000	-3 250	75 0500	4503 00000	3 250	21 92		1 98E+01	21 10
4600 000	-3 260	76 7167	4603 00000	3 260	21 91		1 98E+01	21 16
4700 000	-3 260	78 3833	4703 00000	3 260	21 91		1 98E+01	21 16
4800 000	-3 270	80 0500	4803 00000	3 270	21 90		1 99E+01	21 22
4900 000	-3 270	81 7167	4903 00000	3 270	21 90		1 99E+01	21 22
5000 000	3 280	83 3833	5003 00000	3 280	21 89		1 99E+01	21 29
5100 000	-3 290	85 0500	5103 00000	3 290	21 88		2 00E+01	21 35
5200 000	-3 290	86 7167	5203 00000	3 290	21 88		2 00E+01	21 35
5300 000	3 300	88 3833	5303 00000	3 300	21 87		2 01E+01	21 41
5400 000	-3 300	90 0500	5403 00000	3 300	21 87		2 01E+01	21 41
5500 000	3 300	91 7167	5503 00000	3 300	21 87		2 01E+01	21 41
5600 000	3 310	93 3833	5603 00000	3 310	21 86		2 01E+01	21 47
5700 000	-3 320	95 0500	5703 00000	3 320	21 85		2 02E+01	21 53
5800 000	-3 320	96 7167	5803 00000	3 320	21 85		2 02E+01	21 53
5900 000	-3 330	98 3833	5903 00000	3 330	21 84		2 03E+01	21 59
6000 000	3 350	100 0500	6003 00000	3 350	21 82		2 04E+01	21 71
6100 000	3 350	101 7167	6103 00000	3 350	21 82		2 04E+01	21 71
6200 000	3 360	103 3833	6203 00000	3 360	21 81		2 04E+01	21 77
6300 000	-3 360	105 0500	6303 00000	3 360	21 81		2 04E+01	21 77
6400 000	-3 360	106 7167	6403 00000	3 360	21 81		2 04E+01	21 77

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
6500 000	3 370	108 3833	6503 00000	3 370	21 80		2 05E+01	21 83
6600 000	3 380	110 0500	6603 00000	3 380	21 79		2 06E+01	21 89
6700 000	-3 380	111 7167	6703 00000	3 380	21 79		2 06E+01	21 89
6800 000	-3 390	113 3833	6803 00000	3 390	21 78		2 06E+01	21 95
6900 000	-3 390	115 0500	6903 00000	3 390	21 78		2 06E+01	21 95
7000 000	3 400	116 7167	7003 00000	3 400	21 77		2 07E+01	22 01
7100 000	-3 410	118 3833	7103 00000	3 410	21 76		2 07E+01	22 08
7200 000	-3 410	120 0500	7203 00000	3 410	21 76		2 07E+01	22 08
7300 000	-3 420	121 7167	7303 00000	3 420	21 75		2 08E+01	22 14
7400 000	-3 430	123 3833	7403 00000	3 430	21 74		2 09E+01	22 20
7500 000	3 440	125 0500	7503 00000	3 440	21 73		2 09E+01	22 26
7600 000	-3 450	126 7167	7603 00000	3 450	21 72		2 10E+01	22 32
7700 000	-3 460	128 3833	7703 00000	3 460	21 71		2 10E+01	22 38
7800 000	-3 470	130 0500	7803 00000	3 470	21 70		2 11E+01	22 44
7900 000	3 480	131 7167	7903 00000	3 480	21 69		2 12E+01	22 50
8000 000	3 490	133 3833	8003 00000	3 490	21 68		2 12E+01	22 56
8100 000	3 490	135 0500	8103 00000	3 490	21 68		2 12E+01	22 56
8200 000	-3 500	136 7167	8203 00000	3 500	21 67		2 13E+01	22 62
8300 000	-3 500	138 3833	8303 00000	3 500	21 67		2 13E+01	22 62
8400 000	-3 510	140 0500	8403 00000	3 510	21 66		2 13E+01	22 68

Well No. 37991

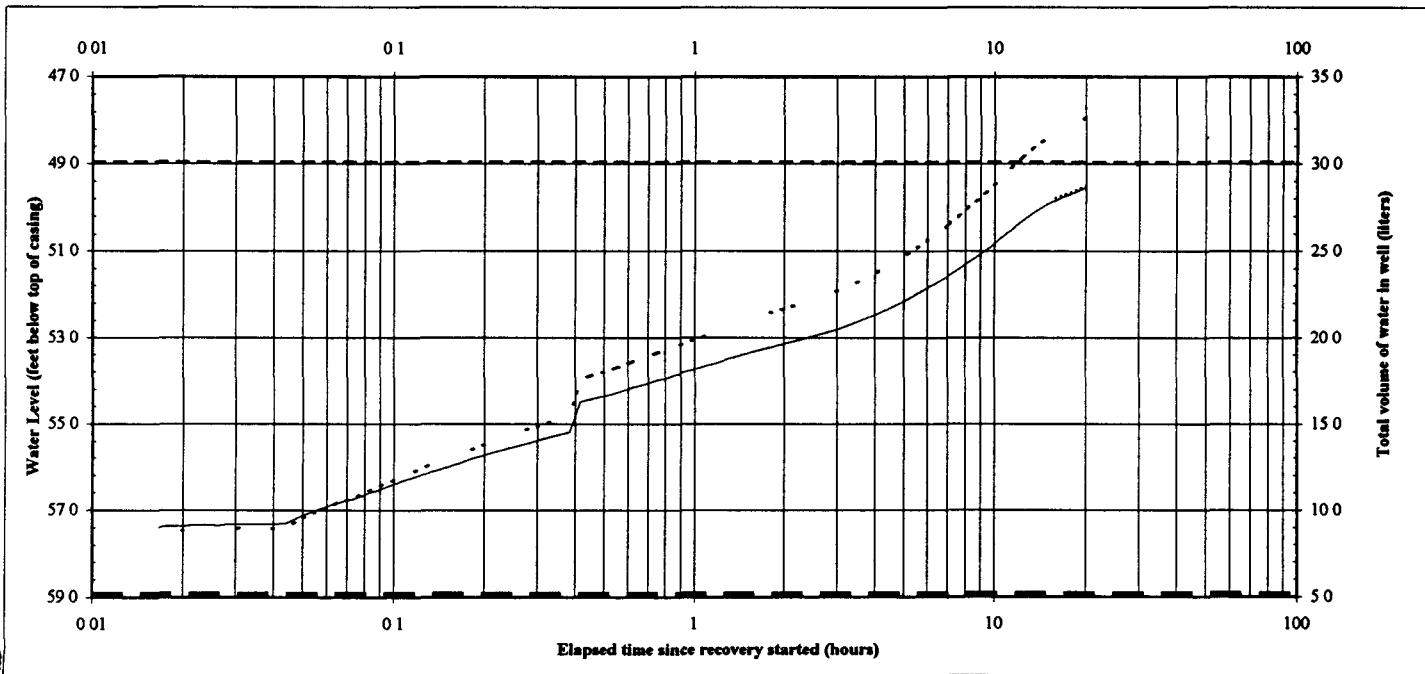
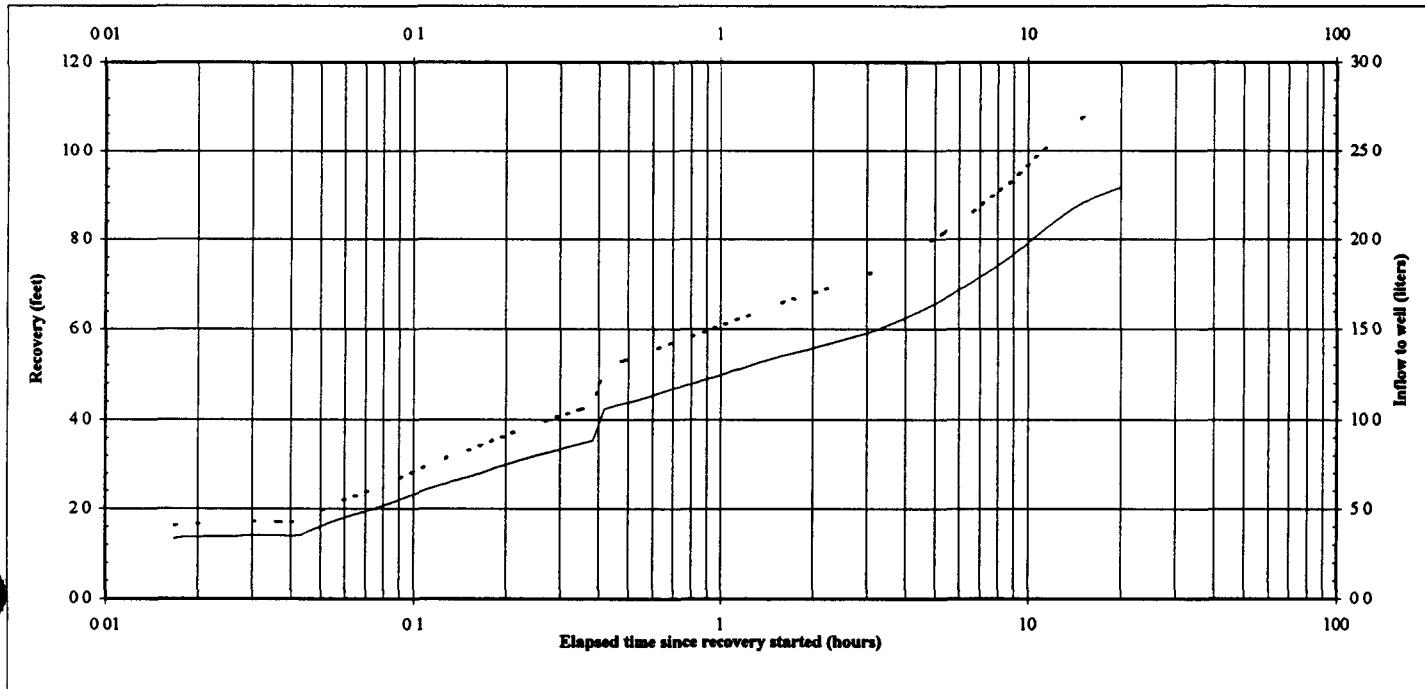
Measured recovery after sampling

Date: 9-Aug-94

3rd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

37991

Date Sampled

3rd quarter

9-Aug-94

Final bail time	13:27				
Set transducer time	13:28	Delay	1 00	Minutes	
Static water level (pre-sampling)	49.0	feet below top of casing			
Final water level (post-recovery)	49.6	feet below top of casing			
Last recorded water level	49.2	feet below transducer			
Transducer Reference Depth	58.7	feet below top of casing			
Bottom of well	58.9	feet below top of casing			
First recorded water level	51.3	feet below transducer			
First recorded water level	57.4	feet below top of casing			
Water column remaining in casing after purging	1.5	feet			
Volume remaining in casing after purging	4.7	liters			
Well diameter	7.0	inches	0.583	feet	
Well radius	3.5	inches	0.292	feet	
Casing diameter	2.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	2.2	inches	0.185	feet	
Top of sandpack	43.0	feet below top of casing			
				0.62	liters/foot
				3.05	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-1 326	0 0167	1 00000	57.40		
0 003	-1 332	0 0167	1 00330	57.39	4 06E+00	8.73
0 007	-1 332	0 0168	1 00660	57.39	4 06E+00	8.73
0 010	-1 335	0 0168	1 01000	57.39	4 07E+00	8.74
0 013	-1 339	0 0169	1 01330	57.39	4 08E+00	8.76
0 017	-1 339	0 0169	1 01660	57.39	4 08E+00	8.76
0 020	-1 342	0 0170	1 02000	57.38	4 09E+00	8.76
0 023	-1 342	0 0171	1 02330	57.38	4 09E+00	8.76
0 027	-1 345	0 0171	1 02660	57.38	4 10E+00	8.77
0 030	-1 348	0 0172	1 03000	57.38	4 11E+00	8.78
0 033	-1 348	0 0172	1 03330	57.38	4 11E+00	8.78
0 037	-1 348	0 0173	1 03660	57.38	4 11E+00	8.78
0 040	-1 351	0 0173	1 04000	57.37	4 12E+00	8.79
0 043	-1 354	0 0174	1 04330	57.37	4 13E+00	8.80
0 047	-1 354	0 0174	1 04660	57.37	4 13E+00	8.80
0 050	-1 358	0 0175	1 05000	57.37	4 14E+00	8.81
0 053	-1 361	0 0176	1 05330	57.36	4 15E+00	8.82
0 057	-1 361	0 0176	1 05660	57.36	4 15E+00	8.82
0 060	-1 361	0 0177	1 06000	57.36	4 15E+00	8.82
0 063	-1 364	0 0177	1 06330	57.36	4 16E+00	8.83
0 067	-1 364	0 0178	1 06660	57.36	4 16E+00	8.83
0 070	-1 364	0 0178	1 07000	57.36	4 16E+00	8.83
0 073	-1 364	0 0179	1 07330	57.36	4 16E+00	8.83
0 077	-1 367	0 0179	1 07660	57.36	4 17E+00	8.84
0 080	-1 367	0 0180	1 08000	57.36	4 17E+00	8.84
0 083	-1 367	0 0181	1 08330	57.36	4 17E+00	8.84
0 087	-1 367	0 0181	1 08660	57.36	4 17E+00	8.84
0 090	-1 367	0 0182	1 09000	57.36	4 17E+00	8.84
0 093	-1 367	0 0182	1 09330	57.36	4 17E+00	8.84
0 097	-1 367	0 0183	1 09660	57.36	4 17E+00	8.84
0 100	-1 367	0 0183	1 10000	57.36	4 17E+00	8.84
0 103	-1 367	0 0184	1 10330	57.36	4 17E+00	8.84
0 107	-1 367	0 0184	1 10660	57.36	4 17E+00	8.84
0 110	-1 367	0 0185	1 11000	57.36	4 17E+00	8.84
0 113	-1 367	0 0186	1 11330	57.36	4 17E+00	8.84
0 117	-1 367	0 0186	1 11660	57.36	4 17E+00	8.84
0 120	-1 367	0 0187	1 12000	57.36	4 17E+00	8.84
0 123	-1 367	0 0187	1 12330	57.36	4 17E+00	8.84

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)		(Feet of water)	(ftbc)	(liters)	(liters)
0 127		-1 367	0 0188	1 12660	1 367	57 36	4 17E+00	8 84
0 130		-1 367	0 0188	1 13000	1 367	57 36	4 17E+00	8 84
0 133		-1 367	0 0189	1 13330	1 367	57 36	4 17E+00	8 84
0 137		-1 367	0 0189	1 13660	1 367	57 36	4 17E+00	8 84
0 140		-1 367	0 0190	1 14000	1 367	57 36	4 17E+00	8 84
0 143		-1 367	0 0191	1 14330	1 367	57 36	4 17E+00	8 84
0 147		-1 367	0 0191	1 14660	1 367	57 36	4 17E+00	8 84
0 150		-1 367	0 0192	1 15000	1 367	57 36	4 17E+00	8 84
0 153		-1 367	0 0192	1 15330	1 367	57 36	4 17E+00	8 84
0 157		-1 367	0 0193	1 15660	1 367	57 36	4 17E+00	8 84
0 160		-1 367	0 0193	1 16000	1 367	57 36	4 17E+00	8 84
0 163		-1 367	0 0194	1 16330	1 367	57 36	4 17E+00	8 84
0 167		-1 367	0 0194	1 16660	1 367	57 36	4 17E+00	8 84
0 170		-1 367	0 0195	1 17000	1 367	57 36	4 17E+00	8 84
0 173		-1 367	0 0196	1 17330	1 367	57 36	4 17E+00	8 84
0 177		-1 367	0 0196	1 17660	1 367	57 36	4 17E+00	8 84
0 180		-1 367	0 0197	1 18000	1 367	57 36	4 17E+00	8 84
0 183		-1 367	0 0197	1 18330	1 367	57 36	4 17E+00	8 84
0 187		-1 367	0 0198	1 18660	1 367	57 36	4 17E+00	8 84
0 190		-1 367	0 0198	1 19000	1 367	57 36	4 17E+00	8 84
0 193		-1 367	0 0199	1 19330	1 367	57 36	4 17E+00	8 84
0 197		-1 367	0 0199	1 19660	1 367	57 36	4 17E+00	8 84
0 200		-1 367	0 0200	1 20000	1 367	57 36	4 17E+00	8 84
0 203		-1 367	0 0201	1 20330	1 367	57 36	4 17E+00	8 84
0 207		-1 367	0 0201	1 20660	1 367	57 36	4 17E+00	8 84
0 210		-1 370	0 0202	1 21000	1 370	57 36	4 18E+00	8 85
0 213		-1 370	0 0202	1 21330	1 370	57 36	4 18E+00	8 85
0 217		-1 370	0 0203	1 21660	1 370	57 36	4 18E+00	8 85
0 220		-1 370	0 0203	1 22000	1 370	57 36	4 18E+00	8 85
0 223		-1 370	0 0204	1 22330	1 370	57 36	4 18E+00	8 85
0 227		-1 370	0 0204	1 22660	1 370	57 36	4 18E+00	8 85
0 230		-1 370	0 0205	1 23000	1 370	57 36	4 18E+00	8 85
0 233		-1 374	0 0206	1 23330	1 374	57 35	4 19E+00	8 86
0 237		-1 374	0 0206	1 23660	1 374	57 35	4 19E+00	8 86
0 240		-1 374	0 0207	1 24000	1 374	57 35	4 19E+00	8 86
0 243		-1 374	0 0207	1 24330	1 374	57 35	4 19E+00	8 86
0 247		-1 377	0 0208	1 24660	1 377	57 35	4 20E+00	8 87
0 250		-1 377	0 0208	1 25000	1 377	57 35	4 20E+00	8 87
0 253		-1 377	0 0209	1 25330	1 377	57 35	4 20E+00	8 87
0 257		-1 380	0 0209	1 25660	1 380	57 35	4 21E+00	8 88
0 260		-1 380	0 0210	1 26000	1 380	57 35	4 21E+00	8 88
0 263		-1 380	0 0211	1 26330	1 380	57 35	4 21E+00	8 88
0 267		-1 383	0 0211	1 26660	1 383	57 34	4 22E+00	8 89
0 270		-1 383	0 0212	1 27000	1 383	57 34	4 22E+00	8 89
0 273		-1 383	0 0212	1 27330	1 383	57 34	4 22E+00	8 89
0 277		-1 386	0 0213	1 27660	1 386	57 34	4 23E+00	8 90
0 280		-1 386	0 0213	1 28000	1 386	57 34	4 23E+00	8 90
0 283		-1 386	0 0214	1 28330	1 386	57 34	4 23E+00	8 90
0 287		-1 386	0 0214	1 28660	1 386	57 34	4 23E+00	8 90
0 290		-1 386	0 0215	1 29000	1 386	57 34	4 23E+00	8 90
0 293		-1 386	0 0216	1 29330	1 386	57 34	4 23E+00	8 90
0 297		-1 386	0 0216	1 29660	1 386	57 34	4 23E+00	8 90
0 300		-1 386	0 0217	1 30000	1 386	57 34	4 23E+00	8 90
0 303		-1 386	0 0217	1 30330	1 386	57 34	4 23E+00	8 90
0 307		-1 386	0 0218	1 30660	1 386	57 34	4 23E+00	8 90
0 310		-1 389	0 0218	1 31000	1 389	57 34	4 24E+00	8 91
0 313		-1 386	0 0219	1 31330	1 386	57 34	4 23E+00	8 90
0 317		-1 389	0 0219	1 31660	1 389	57 34	4 24E+00	8 91
0 320		-1 389	0 0220	1 32000	1 389	57 34	4 24E+00	8 91
0 323		-1 389	0 0221	1 32330	1 389	57 34	4 24E+00	8 91
0 327		-1 389	0 0221	1 32660	1 389	57 34	4 24E+00	8 91
0 330		-1 389	0 0222	1 33000	1 389	57 34	4 24E+00	8 91
0 333		-1 389	0 0222	1 33330	1 389	57 34	4 24E+00	8 91
0 350		-1 386	0 0225	1 35000	1 386	57 34	4 23E+00	8 90
0 367		-1 386	0 0228	1 36660	1 386	57 34	4 23E+00	8 90
0 383		-1 386	0 0231	1 38330	1 386	57 34	4 23E+00	8 90
0 400		-1 386	0 0233	1 40000	1 386	57 34	4 23E+00	8 90
0 417		-1 386	0 0236	1 41660	1 386	57 34	4 23E+00	8 90
0 433		-1 386	0 0239	1 43330	1 386	57 34	4 23E+00	8 90
0 450		-1 386	0 0242	1 45000	1 386	57 34	4 23E+00	8 90
0 467		-1 386	0 0244	1 46660	1 386	57 34	4 23E+00	8 90
0 483		-1 386	0 0247	1 48330	1 386	57 34	4 23E+00	8 90

Input data				Cumulative Inflow (liters)	water level (feet of water)	(feet of water)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)				
0 500	-1 386	0 0250	1 50000	1 386	57 34	57 34	8 90
0 517	-1 386	0 0253	1 51660	1 386	57 34	57 34	8 90
0 533	-1 383	0 0256	1 53330	1 383	57 34	57 34	8 89
0 550	-1 383	0 0258	1 55000	1 383	57 34	57 34	8 89
0 567	-1 383	0 0261	1 56660	1 383	57 34	57 34	8 89
0 583	-1 383	0 0264	1 58330	1 383	57 34	57 34	8 89
0 600	-1 383	0 0267	1 60000	1 383	57 34	57 34	8 89
0 617	-1 386	0 0269	1 61660	1 386	57 34	57 34	8 90
0 633	-1 393	0 0272	1 63330	1 393	57 33	57 33	8 92
0 650	-1 399	0 0275	1 65000	1 399	57 33	57 33	8 94
0 667	-1 402	0 0278	1 66660	1 402	57 32	57 32	8 95
0 683	-1 402	0 0281	1 68330	1 402	57 32	57 32	8 95
0 700	-1 405	0 0283	1 70000	1 405	57 32	57 32	8 96
0 717	-1 405	0 0286	1 71660	1 405	57 32	57 32	8 96
0 733	-1 405	0 0289	1 73330	1 405	57 32	57 32	8 96
0 750	-1 405	0 0292	1 75000	1 405	57 32	57 32	8 96
0 767	-1 405	0 0294	1 76660	1 405	57 32	57 32	8 96
0 783	-1 409	0 0297	1 78330	1 409	57 32	57 32	8 97
0 800	-1 409	0 0300	1 80000	1 409	57 32	57 32	8 97
0 817	-1 409	0 0303	1 81660	1 409	57 32	57 32	8 97
0 833	-1 412	0 0306	1 83330	1 412	57 31	57 31	8 98
0 850	-1 412	0 0308	1 85000	1 412	57 31	57 31	8 98
0 867	-1 412	0 0311	1 86660	1 412	57 31	57 31	8 98
0 883	-1 412	0 0314	1 88330	1 412	57 31	57 31	8 98
0 900	-1 412	0 0317	1 90000	1 412	57 31	57 31	8 98
0 917	-1 412	0 0319	1 91660	1 412	57 31	57 31	8 98
0 933	-1 409	0 0322	1 93330	1 409	57 32	57 32	8 97
0 950	-1 409	0 0325	1 95000	1 409	57 32	57 32	8 97
0 967	-1 409	0 0328	1 96660	1 409	57 32	57 32	8 97
0 983	-1 409	0 0331	1 98330	1 409	57 32	57 32	8 97
1 000	-1 409	0 0333	2.00000	1 409	57 32	57 32	8 97
1 200	-1 405	0 0367	2 20000	1 405	57 32	57 32	8 96
1 400	-1 402	0 0400	2.40000	1 402	57 32	57 32	8 95
1 600	-1 415	0 0433	2.60000	1 415	57 31	57 31	8 99
1 800	-1 514	0 0467	2.80000	1 514	57 21	57 21	9 29
2 000	-1 609	0 0500	3 00000	1 609	57 12	57 12	9 58
2 200	-1 682	0 0533	3 20000	1 682	57 04	57 04	9 80
2 400	-1 749	0 0567	3 40000	1 749	56 98	56 98	10 01
2 600	-1 809	0 0600	3 60000	1 809	56 92	56 92	10 19
2 800	-1 860	0 0633	3 80000	1 860	56 87	56 87	10 34
3 000	-1 905	0 0667	4 00000	1 905	56 82	56 82	10 48
3 200	-1 949	0 0700	4 20000	1 949	56 78	56 78	10 62
3 400	-1 984	0 0733	4 40000	1 984	56 74	56 74	10 72
3 600	-2 032	0 0767	4 60000	2 032	56 69	56 69	10 87
3 800	-2 073	0 0800	4 80000	2 073	56 65	56 65	10 99
4 000	-2 118	0 0833	5 00000	2 118	56 61	56 61	11 13
4 200	-2 159	0 0867	5 20000	2 159	56 57	56 57	11 26
4 400	-2 204	0 0900	5 40000	2 204	56 52	56 52	11 39
4 600	-2 245	0 0933	5 60000	2 245	56 48	56 48	11 52
4 800	-2 283	0 0967	5 80000	2 283	56 44	56 44	11 64
5 000	-2 328	0 1000	6 00000	2 328	56 40	56 40	11 77
5 200	-2 357	0 1033	6 20000	2 357	56 37	56 37	11 86
5 400	-2 395	0 1067	6 40000	2 395	56 33	56 33	11 98
5 600	-2 427	0 1100	6 60000	2 427	56 30	56 30	12 07
5 800	-2 458	0 1133	6 80000	2 458	56 27	56 27	12 17
6 000	-2 490	0 1167	7 00000	2 490	56 24	56 24	12 27
6 200	-2 513	0 1200	7 20000	2 513	56 21	56 21	12 34
6 400	-2 538	0 1233	7 40000	2 538	56 19	56 19	12 41
6 600	-2 563	0 1267	7 60000	2 563	56 16	56 16	12 49
6 800	-2 589	0 1300	7 80000	2 589	56 14	56 14	12 57
7 000	-2 608	0 1333	8 00000	2 608	56 12	56 12	12 63
7 200	-2 634	0 1367	8 20000	2 634	56 09	56 09	12 71
7 400	-2 653	0 1400	8 40000	2 653	56 07	56 07	12 76
7 600	-2 678	0 1433	8 60000	2 678	56 05	56 05	12 84
7 800	-2 697	0 1467	8 80000	2 697	56 03	56 03	12 90
8 000	-2 716	0 1500	9 00000	2 716	56 01	56 01	12 96
8 200	-2 735	0 1533	9 20000	2 735	55 99	55 99	13 01
8 400	-2 754	0 1567	9 40000	2 754	55 97	55 97	13 07
8 600	-2 774	0 1600	9 60000	2 774	55 95	55 95	13 13
8 800	-2 793	0 1633	9 80000	2 793	55 93	55 93	13 19
9 000	-2 812	0 1667	10 00000	2 812	55 91	55 91	13 25
9 200	-2 831	0 1700	10 20000	2 831	55 89	55 89	13 31

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
9 400	-2.853	0 1733	0 1767	10 40000	2.853	55 87	8 70E+00	13 37	
9 600	-2.872	0 1767	0 1800	10 60000	2.872	55 85	8 76E+00	13 43	
9 800	-2.894	0 1833	0 1867	10 80000	2.894	55 83	8 83E+00	13 50	
10 000	-2.914	0 1867	0 2167	11 00000	2.914	55 81	8 89E+00	13 56	
12 000	-3 073	0 2500	0 2500	13 00000	3 073	55 65	9 37E+00	14 05	
14 000	-3 190	0 2833	0 2833	15 00000	3 190	55 54	9 73E+00	14 40	
16 000	-3 295	0 3167	0 3167	17 00000	3 295	55 43	1 01E+01	14 72	
18 000	-3 385	0 3500	0 3500	19 00000	3 385	55 34	1 03E+01	15 00	
20 000	-3 467	0 3833	0 3833	21 00000	3 467	55 26	1 06E+01	15 25	
22 000	-3 537	0 4167	0 4167	23 00000	3 537	55 19	1 08E+01	15 46	
24 000	-4 235	0 4500	0 4500	25 00000	4 235	54 49	1 29E+01	17 59	
26 000	-4 295	0 4833	0 4833	27 00000	4 295	54 43	1 31E+01	17 77	
28 000	-4 349	0 5167	0 5167	29 00000	4 349	54 38	1 33E+01	17 94	
30 000	-4 400	0 5500	0 5500	31 00000	4 400	54 33	1 34E+01	18 09	
32 000	-4 454	0 5833	0 5833	33 00000	4 454	54 27	1 36E+01	18 26	
34 000	-4 511	0 6167	0 6167	35 00000	4 511	54 21	1 38E+01	18 43	
36 000	-4 562	0 6500	0 6500	37 00000	4 562	54 16	1 39E+01	18 59	
38 000	-4 613	0 6833	0 6833	39 00000	4 613	54 11	1 41E+01	18 74	
40 000	-4 658	0 7167	0 7167	41 00000	4 658	54 07	1 42E+01	18 88	
42 000	-4 699	0 7500	0 7500	43 00000	4 699	54 03	1 43E+01	19 01	
44 000	-4 734	0 7833	0 7833	45 00000	4 734	53 99	1 44E+01	19 11	
46 000	-4 773	0 8167	0 8167	47 00000	4 773	53 95	1 46E+01	19 23	
48 000	-4 804	0 8500	0 8500	49 00000	4 804	53 92	1 47E+01	19 33	
50 000	-4 843	0 8833	0 8833	51 00000	4 843	53 88	1 48E+01	19 44	
52 000	-4 874	0 9167	0 9167	53 00000	4 874	53 85	1 49E+01	19 54	
54 000	-4 906	0 9500	0 9500	55 00000	4 906	53 82	1 50E+01	19 64	
56 000	-4 935	0 9833	0 9833	57 00000	4 935	53 79	1 51E+01	19 73	
58 000	-4 967	1 0167	1 0167	59 00000	4 967	53 76	1 52E+01	19 82	
60 000	-4 995	1 0500	1 0500	61 00000	4 995	53 73	1 52E+01	19 91	
62 000	-5 024	1 0833	1 0833	63 00000	5 024	53 70	1 53E+01	20 00	
64 000	-5 053	1 1167	1 1167	65 00000	5 053	53 67	1 54E+01	20 09	
66 000	-5 081	1 1500	1 1500	67 00000	5 081	53 64	1 55E+01	20 17	
68 000	-5 107	1 1833	1 1833	69 00000	5 107	53 62	1 56E+01	20 25	
70 000	-5 132	1 2167	1 2167	71 00000	5 132	53 59	1 57E+01	20 33	
72 000	-5 158	1 2500	1 2500	73 00000	5 158	53 57	1 57E+01	20 41	
74 000	-5 183	1 2833	1 2833	75 00000	5 183	53 54	1 58E+01	20 48	
76 000	-5 212	1 3167	1 3167	77 00000	5 212	53 51	1 59E+01	20 57	
78 000	-5 237	1 3500	1 3500	79 00000	5 237	53 49	1 60E+01	20 65	
80 000	-5 263	1 3833	1 3833	81 00000	5 263	53 46	1 61E+01	20 73	
82 000	-5 285	1 4167	1 4167	83 00000	5 285	53 44	1 61E+01	20 79	
84 000	-5 308	1 4500	1 4500	85 00000	5 308	53 42	1 62E+01	20 86	
86 000	-5 327	1 4833	1 4833	87 00000	5 327	53 40	1 63E+01	20 92	
88 000	-5 349	1 5167	1 5167	89 00000	5 349	53 38	1 63E+01	20 99	
90 000	-5 365	1 5500	1 5500	91 00000	5 365	53 36	1 64E+01	21 04	
92 000	-5 387	1 5833	1 5833	93 00000	5 387	53 34	1 64E+01	21 10	
94 000	-5 403	1 6167	1 6167	95 00000	5 403	53 32	1 65E+01	21 15	
96 000	-5 419	1 6500	1 6500	97 00000	5 419	53 31	1 65E+01	21 20	
98 000	-5 435	1 6833	1 6833	99 00000	5 435	53 29	1 66E+01	21 25	
100 000	-5 451	2 0167	2 0167	101 00000	5 451	53 27	1 66E+01	21 30	
120 000	-5 588	2 3500	2 3500	121 00000	5 588	53 14	1 70E+01	21 72	
140 000	-5 706	2 6833	2 6833	141 00000	5 706	53 02	1 74E+01	22 08	
160 000	-5 814	3 0167	3 0167	161 00000	5 814	52 91	1 77E+01	22 41	
180 000	-5 919	3 3500	3 3500	181 00000	5 919	52 81	1 81E+01	22 73	
200 000	-6 027	3 6833	3 6833	201 00000	6 027	52 70	1 84E+01	23 06	
220 000	-6 142	4 0167	4 0167	221 00000	6 142	52 58	1 87E+01	23 41	
240 000	-6 253	4 3500	4 3500	241 00000	6 253	52 47	1 91E+01	23 75	
260 000	-6 359	4 6833	4 6833	261 00000	6 359	52 37	1 94E+01	24 07	
280 000	-6 467	5 0167	5 0167	281 00000	6 467	52 26	1 97E+01	24 40	
300 000	-6 572	5 3500	5 3500	301 00000	6 572	52 15	2 00E+01	24 72	
320 000	-6 677	5 6833	5 6833	321 00000	6 677	52 05	2 04E+01	25 04	
340 000	-6 779	6 0167	6 0167	341 00000	6 779	51 95	2 07E+01	25 35	
360 000	-6 878	6 3500	6 3500	361 00000	6 878	51 85	2 10E+01	25 65	
380 000	-6 970	6 6833	6 6833	381 00000	6 970	51 76	2 13E+01	25 93	
400 000	-7 063	7 0167	7 0167	401 00000	7 063	51 66	2 15E+01	26 22	
420 000	-7 158	7 3500	7 3500	421 00000	7 158	51 57	2 18E+01	26 51	
440 000	-7 251	7 6833	7 6833	441 00000	7 251	51 47	2 21E+01	26 79	
460 000	-7 343	8 0167	8 0167	461 00000	7 343	51 38	2 24E+01	27 07	
480 000	-7 429	8 3500	8 3500	481 00000	7 429	51 30	2 27E+01	27 33	
500 000	-7 512	8 6833	8 6833	501 00000	7 512	51 21	2 29E+01	27 59	
520 000	-7 591	9 0167	9 0167	521 00000	7 591	51 13	2 32E+01	27 83	
540 000	-7 671	9 3500	9 3500	541 00000	7 671	51 05	2 34E+01	28 07	
560 000	-7 751	9 6833	9 6833	561 00000	7 751	50 97	2 36E+01	28 32	

Input data

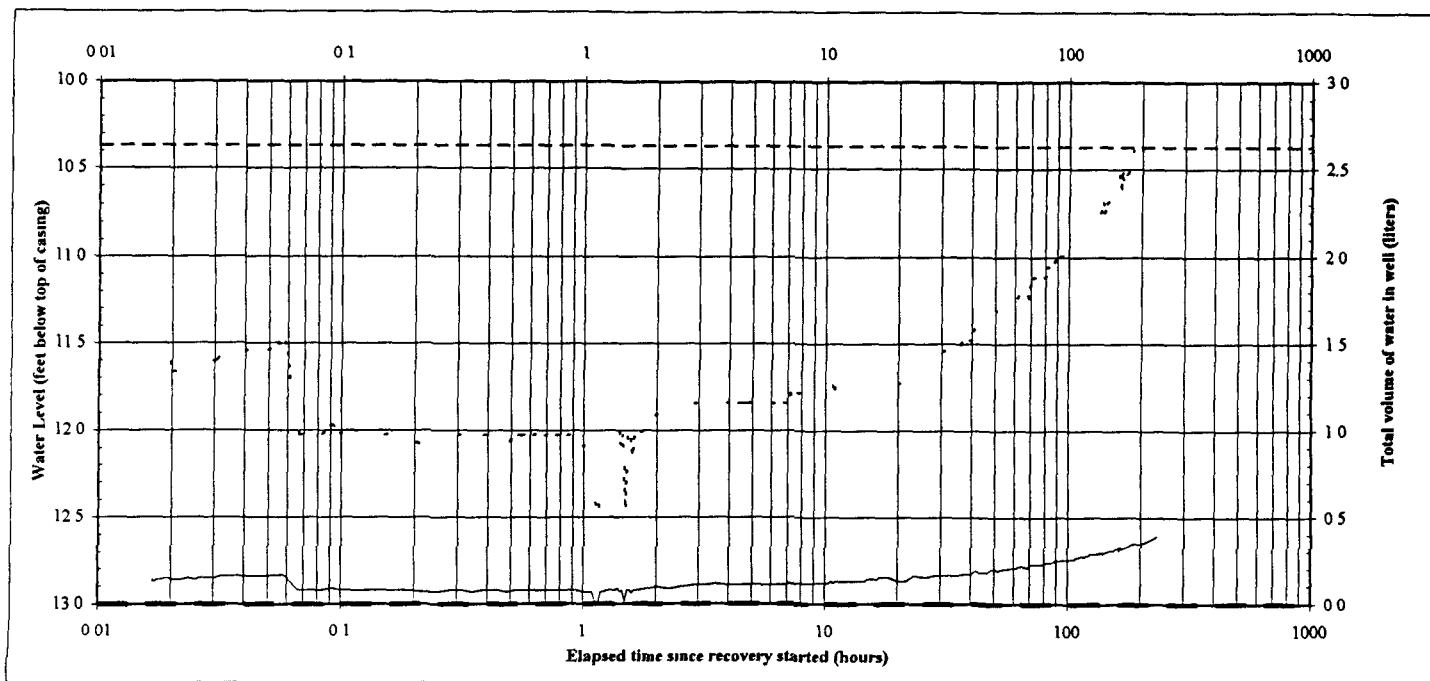
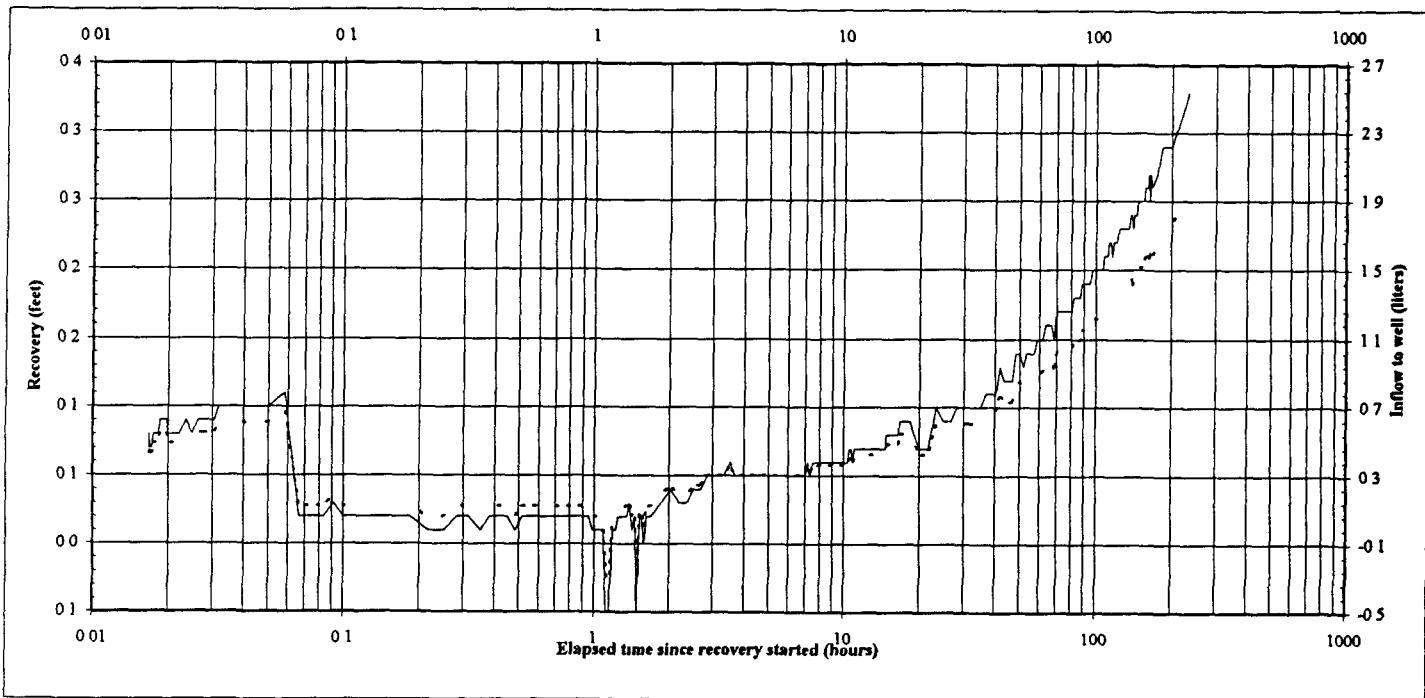
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
580 000	-7 830	9 6833	581 00000	7 830	50 90	2 39E+01	28 56	
600 000	-7 916	10 0167	601 00000	7 916	50 81	2 41E+01	28 82	
620 000	-7 999	10 3500	621 00000	7 999	50 73	2 44E+01	29 07	
640 000	-8 079	10 6833	641 00000	8 079	50 65	2 46E+01	29 32	
660 000	-8 155	11 0167	661 00000	8 155	50 57	2 49E+01	29 55	
680 000	-8 222	11 3500	681 00000	8 222	50 50	2 51E+01	29 75	
700 000	-8 289	11 6833	701 00000	8 289	50 44	2 53E+01	29 96	
720 000	-8 356	12.0167	721 00000	8 356	50 37	2 55E+01	30 16	
740 000	-8 420	12.3500	741 00000	8 420	50 31	2.57E+01	30 36	
760 000	-8 477	12 6833	761 00000	8 477	50 25	2.59E+01	30 53	
780 000	-8 535	13 0167	781 00000	8 535	50 19	2 60E+01	30 71	
800 000	-8 586	13 3500	801 00000	8 586	50 14	2 62E+01	30 86	
820 000	-8 637	13 6833	821 00000	8 637	50 09	2 63E+01	31 02	
840 000	-8 684	14 0167	841 00000	8 684	50 04	2.65E+01	31 16	
860 000	-8 726	14 3500	861 00000	8 726	50 00	2.66E+01	31 29	
880 000	-8 764	14 6833	881 00000	8 764	49 96	2.67E+01	31 41	
900 000	-8 802	15 0167	901 00000	8 802	49 92	2 69E+01	31 52	
920 000	-8 834	15 3500	921 00000	8 834	49 89	2 69E+01	31 62	
940 000	-8 866	15 6833	941 00000	8 866	49 86	2.70E+01	31 72	
960 000	-8 898	16 0167	961 00000	8 898	49 83	2 71E+01	31 81	
980 000	-8 927	16 3500	981 00000	8 927	49 80	2 72E+01	31 90	
1000 000	-8 952	16 6833	1001 00000	8 952	49 77	2 73E+01	31 98	
1200 000	-9 175	20 0167	1201 00000	9 175	49 55	2 80E+01	32 66	

Well No. 38291
Measured recovery after sampling

Date: 9-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume



Well No

38291

Date Sampled

3rd quarter
9-Aug-94

Final bail time	14.44	Delay	1 00	Minutes
Set transducer time	14.45			
Static water level (pre-sampling)	10.4	feet below top of casing		
Final water level (post-recovery)	12.6	feet below top of casing		
Last recorded water level	-0.3	feet below transducer		
Transducer reference depth	12.9	feet below top of casing		
Bottom of well	13.0	feet below top of casing		
First recorded water level	-0.1	feet below transducer		
First recorded water level	12.9	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.9	liters		
Well diameter	10.3	inches	0.854	feet
Well radius	5.1	inches	0.427	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.261	feet
Top of sandpack	6.0	feet below top of casing		
			0.62	liters/foot
			6.08	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Δ head (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 0167	-0.080	1 00000	0 080	12.86		
0 003	0 0167	-0.070	1 00330	0 070	12.87	4.26E-01	1.28
0 007	0 0168	-0.070	1 00660	0 070	12.87	4.26E-01	1.28
0 010	0 0168	-0.070	1 00990	0 070	12.87	4.26E-01	1.28
0 013	0 0169	-0.080	1 01330	0 080	12.86	4.87E-01	1.34
0 017	0 0169	-0.070	1 01660	0 070	12.87	4.26E-01	1.28
0 020	0 0170	-0.070	1 02000	0 070	12.87	4.26E-01	1.28
0 023	0 0171	-0.070	1 02330	0 070	12.87	4.26E-01	1.28
0 027	0 0171	-0.070	1 02660	0 070	12.87	4.26E-01	1.28
0 030	0 0172	-0.070	1 03000	0 070	12.87	4.26E-01	1.28
0 033	0 0172	-0.070	1 03330	0 070	12.87	4.26E-01	1.28
0 050	0 0175	-0.080	1 05000	0 080	12.86	4.87E-01	1.34
0 067	0 0178	-0.080	1 06660	0 080	12.86	4.87E-01	1.34
0 083	0 0181	-0.080	1 08330	0 080	12.86	4.87E-01	1.34
0 100	0 0183	-0.080	1 10000	0 080	12.86	4.87E-01	1.34
0 117	0 0186	-0.090	1 11660	0 090	12.85	5.47E-01	1.40
0 133	0 0189	-0.090	1 13330	0 090	12.85	5.47E-01	1.40
0 150	0 0192	-0.090	1 15000	0 090	12.85	5.47E-01	1.40
0 167	0 0194	-0.090	1 16660	0 090	12.85	5.47E-01	1.40
0 183	0 0197	-0.090	1 18330	0 090	12.85	5.47E-01	1.40
0 200	0 0200	-0.080	1 20000	0 080	12.86	4.87E-01	1.34
0 217	0 0203	-0.080	1 21660	0 080	12.86	4.87E-01	1.34
0 233	0 0206	-0.080	1 23330	0 080	12.86	4.87E-01	1.34
0 250	0 0208	-0.080	1 25000	0 080	12.86	4.87E-01	1.34
0 267	0 0211	-0.080	1 26660	0 080	12.86	4.87E-01	1.34
0 283	0 0214	-0.080	1 28330	0 080	12.86	4.87E-01	1.34
0 300	0 0217	0.080	1 30000	0 080	12.86	4.87E-01	1.34
0 317	0 0219	-0.080	1 31660	0 080	12.86	4.87E-01	1.34
0 333	0 0222	-0.080	1 33330	0 080	12.86	4.87E-01	1.34
0 417	0 0236	-0.090	1 41670	0 090	12.85	5.47E-01	1.40
0 500	0 0250	0.080	1 50000	0 080	12.86	4.87E-01	1.34
0 583	0 0264	-0.090	1 58330	0 090	12.85	5.47E-01	1.40
0 667	0 0278	-0.090	1 66670	0 090	12.85	5.47E-01	1.40
0 750	0 0292	-0.090	1 75000	0 090	12.85	5.47E-01	1.40
0 833	0 0306	-0.090	1 83330	0 090	12.85	5.47E-01	1.40
0 917	0 0319	-0.100	1 91670	0 100	12.84	6.08E-01	1.46
1 000	0 0333	-0.100	2 00000	0 100	12.84	6.08E-01	1.46
1 083	0 0347	-0.100	2 08330	0 100	12.84	6.08E-01	1.46

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
(minutes)		(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
1 167	-0 100	0 0361	2 16670	0 100	12 84	6 08E-01	1 46	
1 250	-0 100	0 0375	2 25000	0 100	12 84	6 08E-01	1 46	
1 333	-0 100	0 0389	2 33330	0 100	12 84	6 08E-01	1 46	
1 417	-0 100	0 0403	2 41660	0 100	12 84	6 08E-01	1 46	
1 500	-0 100	0 0417	2 50000	0 100	12 84	6 08E-01	1 46	
1 583	-0 100	0 0431	2 58330	0 100	12 84	6 08E-01	1 46	
1 667	-0 100	0 0444	2 66670	0 100	12 84	6 08E-01	1 46	
1 750	-0 100	0 0458	2 75000	0 100	12 84	6 08E-01	1 46	
1 833	-0 100	0 0472	2 83330	0 100	12 84	6 08E-01	1 46	
1 917	-0 100	0 0486	2 91670	0 100	12 84	6 08E-01	1 46	
2 000	-0 100	0 0500	3 00000	0 100	12 84	6 08E-01	1 46	
2 500	-0 110	0 0583	3 50000	0 110	12 83	6 69E-01	1 52	
3 000	-0 020	0 0667	4 00000	0 020	12 92	1 22E-01	0 97	
3 500	-0 020	0 0750	4 50000	0 020	12 92	1 22E-01	0 97	
4 000	-0 020	0 0833	5 00000	0 020	12 92	1 22E-01	0 97	
4 500	-0 030	0 0917	5 50000	0 030	12 91	1 82E-01	1 03	
5 000	-0 020	0 1000	6 00000	0 020	12 92	1 22E-01	0 97	
5 500	-0 020	0 1083	6 50000	0 020	12 92	1 22E-01	0 97	
6 000	-0 020	0 1167	7 00000	0 020	12 92	1 22E-01	0 97	
6 500	-0 020	0 1250	7 50000	0 020	12 92	1 22E-01	0 97	
7 000	-0 020	0 1333	8 00000	0 020	12 92	1 22E-01	0 97	
7 500	-0 020	0 1417	8 50000	0 020	12 92	1 22E-01	0 97	
8 000	0 020	0 1500	9 00000	0 020	12 92	1 22E-01	0 97	
8 500	-0 020	0 1583	9 50000	0 020	12 92	1 22E-01	0 97	
9 000	-0 020	0 1667	10 00000	0 020	12 92	1 22E-01	0 97	
9 500	-0 020	0 1750	10 50000	0 020	12 92	1 22E-01	0 97	
10 000	-0 020	0 1833	11 00000	0 020	12 92	1 22E-01	0 97	
12 000	-0 010	0 2167	13 00000	0 010	12 93	6 08E-02	0 91	
14 000	-0 010	0 2500	15 00000	0 010	12 93	6 08E-02	0 91	
16 000	-0 020	0 2833	17 00000	0 020	12 92	1 22E-01	0 97	
18 000	-0 020	0 3167	19 00000	0 020	12 92	1 22E-01	0 97	
20 000	-0 010	0 3500	21 00000	0 010	12 93	6 08E-02	0 91	
22 000	-0 020	0 3833	23 00000	0 020	12 92	1 22E-01	0 97	
24 000	-0 020	0 4167	25 00000	0 020	12 92	1 22E-01	0 97	
26 000	-0 020	0 4500	27 00000	0 020	12 92	1 22E-01	0 97	
28 000	-0 010	0 4833	29 00000	0 010	12 93	6 08E-02	0 91	
30 000	-0 020	0 5167	31 00000	0 020	12 92	1 22E-01	0 97	
32 000	-0 020	0 5500	33 00000	0 020	12 92	1 22E-01	0 97	
34 000	-0 020	0 5833	35 00000	0 020	12 92	1 22E-01	0 97	
36 000	-0 020	0 6167	37 00000	0 020	12 92	1 22E-01	0 97	
38 000	-0 020	0 6500	39 00000	0 020	12 92	1 22E-01	0 97	
40 000	-0 020	0 6833	41 00000	0 020	12 92	1 22E-01	0 97	
42 000	-0 020	0 7167	43 00000	0 020	12 92	1 22E-01	0 97	
44 000	-0 020	0 7500	45 00000	0 020	12 92	1 22E-01	0 97	
46 000	-0 020	0 7833	47 00000	0 020	12 92	1 22E-01	0 97	
48 000	-0 020	0 8167	49 00000	0 020	12 92	1 22E-01	0 97	
50 000	-0 020	0 8500	51 00000	0 020	12 92	1 22E-01	0 97	
52 000	-0 020	0 8833	53 00000	0 020	12 92	1 22E-01	0 97	
54 000	-0 020	0 9167	55 00000	0 020	12 92	1 22E-01	0 97	
56 000	-0 020	0 9500	57 00000	0 020	12 92	1 22E-01	0 97	
58 000	-0 010	0 9833	59 00000	0 010	12 93	6 08E-02	0 91	
60 000	-0 010	1 0167	61 00000	0 010	12 93	6 08E-02	0 91	
62 000	-0 010	1 0500	63 00000	0 010	12 93	6 08E-02	0 91	
64 000	-0 010	1 0833	65 00000	0 010	12 93	6 08E-02	0 91	
66 000	0 050	1 1167	67 00000	-0 050	12 99	-3 04E-01	0 55	
68 000	0 050	1 1500	69 00000	-0 050	12 99	-3 04E-01	0 55	
70 000	-0 010	1 1833	71 00000	0 010	12 93	6 08E-02	0 91	
72 000	-0 010	1 2167	73 00000	0 010	12 93	6 08E-02	0 91	
74 000	-0 020	1 2500	75 00000	0 020	12 92	1 22E-01	0 97	
76 000	-0 020	1 2833	77 00000	0 020	12 92	1 22E-01	0 97	
78 000	-0 020	1 3167	79 00000	0 020	12 92	1 22E-01	0 97	
80 000	-0 020	1 3500	81 00000	0 020	12 92	1 22E-01	0 97	
82 000	-0 030	1 3833	83 00000	0 030	12 91	1 82E-01	1 03	
84 000	-0 010	1 4167	85 00000	0 010	12 93	6 08E-02	0 91	
86 000	-0 020	1 4500	87 00000	0 020	12 92	1 22E-01	0 97	
88 000	0 050	1 4833	89 00000	-0 050	12 99	-3 04E-01	0 55	
90 000	-0 020	1 5167	91 00000	0 020	12 92	1 22E-01	0 97	
92 000	0 020	1 5500	93 00000	0 020	12 92	1 22E-01	0 97	
94 000	0 000	1 5833	95 00000	0 000	12 94	0 00E+00	0 85	
96 000	-0 020	1 6167	97 00000	0 020	12 92	1 22E-01	0 97	
98 000	-0 020	1 6500	99 00000	0 020	12 92	1 22E-01	0 97	
100 000	-0 020	1 6833	101 00000	0 020	12 92	1 22E-01	0 97	

Input data						Cumulative	Volume of	
Transducer Elapsed Time	Δ head (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
110 000	-0 030	1 8500	111 00000	0 030	12 91	1 82E-01	1 03	
120 000	-0 040	2 0167	121 00000	0 040	12 90	2 43E-01	1 09	
130 000	-0 030	2 1833	131 00000	0 030	12 91	1 82E-01	1 03	
140 000	-0 030	2 3500	141 00000	0 030	12 91	1 82E-01	1 03	
150 000	-0 040	2 5167	151 00000	0 040	12 90	2 43E-01	1 09	
160 000	-0 040	2 6833	161 00000	0 040	12 90	2 43E-01	1 09	
170 000	-0 050	2 8500	171 00000	0 050	12 89	3 04E-01	1 16	
180 000	-0 050	3 0167	181 00000	0 050	12 89	3 04E-01	1 16	
190 000	-0 050	3 1833	191 00000	0 050	12 89	3 04E-01	1 16	
200 000	-0 050	3 3500	201 00000	0 050	12 89	3 04E-01	1 16	
210 000	-0 060	3 5167	211 00000	0 060	12 88	3 65E-01	1 22	
220 000	-0 050	3 6833	221 00000	0 050	12 89	3 04E-01	1 16	
230 000	-0 050	3 8500	231 00000	0 050	12 89	3 04E-01	1 16	
240 000	-0 050	4 0167	241 00000	0 050	12 89	3 04E-01	1 16	
250 000	-0 050	4 1833	251 00000	0 050	12 89	3 04E-01	1 16	
260 000	-0 050	4 3500	261 00000	0 050	12 89	3 04E-01	1 16	
270 000	-0 050	4 5167	271 00000	0 050	12 89	3 04E-01	1 16	
280 000	-0 050	4 6833	281 00000	0 050	12 89	3 04E-01	1 16	
290 000	-0 050	4 8500	291 00000	0 050	12 89	3 04E-01	1 16	
300 000	-0 050	5 0167	301 00000	0 050	12 89	3 04E-01	1 16	
310 000	-0 050	5 1833	311 00000	0 050	12 89	3 04E-01	1 16	
320 000	-0 050	5 3500	321 00000	0 050	12 89	3 04E-01	1 16	
330 000	-0 050	5 5167	331 00000	0 050	12 89	3 04E-01	1 16	
340 000	-0 050	5 6833	341 00000	0 050	12 89	3 04E-01	1 16	
350 000	-0 050	5 8500	351 00000	0 050	12 89	3 04E-01	1 16	
360 000	-0 050	6 0167	361 00000	0 050	12 89	3 04E-01	1 16	
370 000	-0 050	6 1833	371 00000	0 050	12 89	3 04E-01	1 16	
380 000	-0 050	6 3500	381 00000	0 050	12 89	3 04E-01	1 16	
390 000	-0 050	6 5167	391 00000	0 050	12 89	3 04E-01	1 16	
400 000	-0 050	6 6833	401 00000	0 050	12 89	3 04E-01	1 16	
410 000	-0 050	6 8500	411 00000	0 050	12 89	3 04E-01	1 16	
420 000	-0 050	7 0167	421 00000	0 050	12 89	3 04E-01	1 16	
430 000	-0 060	7 1833	431 00000	0 060	12 88	3 65E-01	1 22	
440 000	-0 050	7 3500	441 00000	0 050	12 89	3 04E-01	1 16	
450 000	-0 060	7 5167	451 00000	0 060	12 88	3 65E-01	1 22	
460 000	-0 060	7 6833	461 00000	0 060	12 88	3 65E-01	1 22	
470 000	-0 060	7 8500	471 00000	0 060	12 88	3 65E-01	1 22	
480 000	-0 060	8 0167	481 00000	0 060	12 88	3 65E-01	1 22	
490 000	-0 060	8 1833	491 00000	0 060	12 88	3 65E-01	1 22	
500 000	-0 060	8 3500	501 00000	0 060	12 88	3 65E-01	1 22	
510 000	0 060	8 5167	511 00000	0 060	12 88	3 65E-01	1 22	
520 000	-0 060	8 6833	521 00000	0 060	12 88	3 65E-01	1 22	
530 000	-0 060	8 8500	531 00000	0 060	12 88	3 65E-01	1 22	
540 000	-0 060	9 0167	541 00000	0 060	12 88	3 65E-01	1 22	
550 000	-0 060	9 1833	551 00000	0 060	12 88	3 65E-01	1 22	
560 000	-0 060	9 3500	561 00000	0 060	12 88	3 65E-01	1 22	
570 000	0 060	9 5167	571 00000	0 060	12 88	3 65E-01	1 22	
580 000	-0 060	9 6833	581 00000	0 060	12 88	3 65E-01	1 22	
590 000	-0 060	9 8500	591 00000	0 060	12 88	3 65E-01	1 22	
600 000	-0 060	10 0167	601 00000	0 060	12 88	3 65E-01	1 22	
610 000	-0 060	10 1833	611 00000	0 060	12 88	3 65E-01	1 22	
620 000	-0 060	10 3500	621 00000	0 060	12 88	3 65E-01	1 22	
630 000	-0 070	10 5167	631 00000	0 070	12 87	4 26E-01	1 28	
640 000	-0 070	10 6833	641 00000	0 070	12 87	4 26E-01	1 28	
650 000	-0 060	10 8500	651 00000	0 060	12 88	3 65E-01	1 22	
660 000	-0 070	11 0167	661 00000	0 070	12 87	4 26E-01	1 28	
670 000	0 070	11 1833	671 00000	0 070	12 87	4 26E-01	1 28	
680 000	-0 070	11 3500	681 00000	0 070	12 87	4 26E-01	1 28	
690 000	-0 070	11 5167	691 00000	0 070	12 87	4 26E-01	1 28	
700 000	0 070	11 6833	701 00000	0 070	12 87	4 26E-01	1 28	
710 000	-0 070	11 8500	711 00000	0 070	12 87	4 26E-01	1 28	
720 000	0 070	12 0167	721 00000	0 070	12 87	4 26E-01	1 28	
730 000	-0 070	12 1833	731 00000	0 070	12 87	4 26E-01	1 28	
740 000	-0 070	12 3500	741 00000	0 070	12 87	4 26E-01	1 28	
750 000	-0 070	12 5167	751 00000	0 070	12 87	4 26E-01	1 28	
760 000	-0 070	12 6833	761 00000	0 070	12 87	4 26E-01	1 28	
770 000	-0 070	12 8500	771 00000	0 070	12 87	4 26E-01	1 28	
780 000	-0 070	13 0167	781 00000	0 070	12 87	4 26E-01	1 28	
790 000	-0 070	13 1833	791 00000	0 070	12 87	4 26E-01	1 28	
800 000	-0 070	13 3500	801 00000	0 070	12 87	4 26E-01	1 28	
810 000	-0 070	13 5167	811 00000	0 070	12 87	4 26E-01	1 28	
820 000	0 070	13 6833	821 00000	0 070	12 87	4 26E-01	1 28	

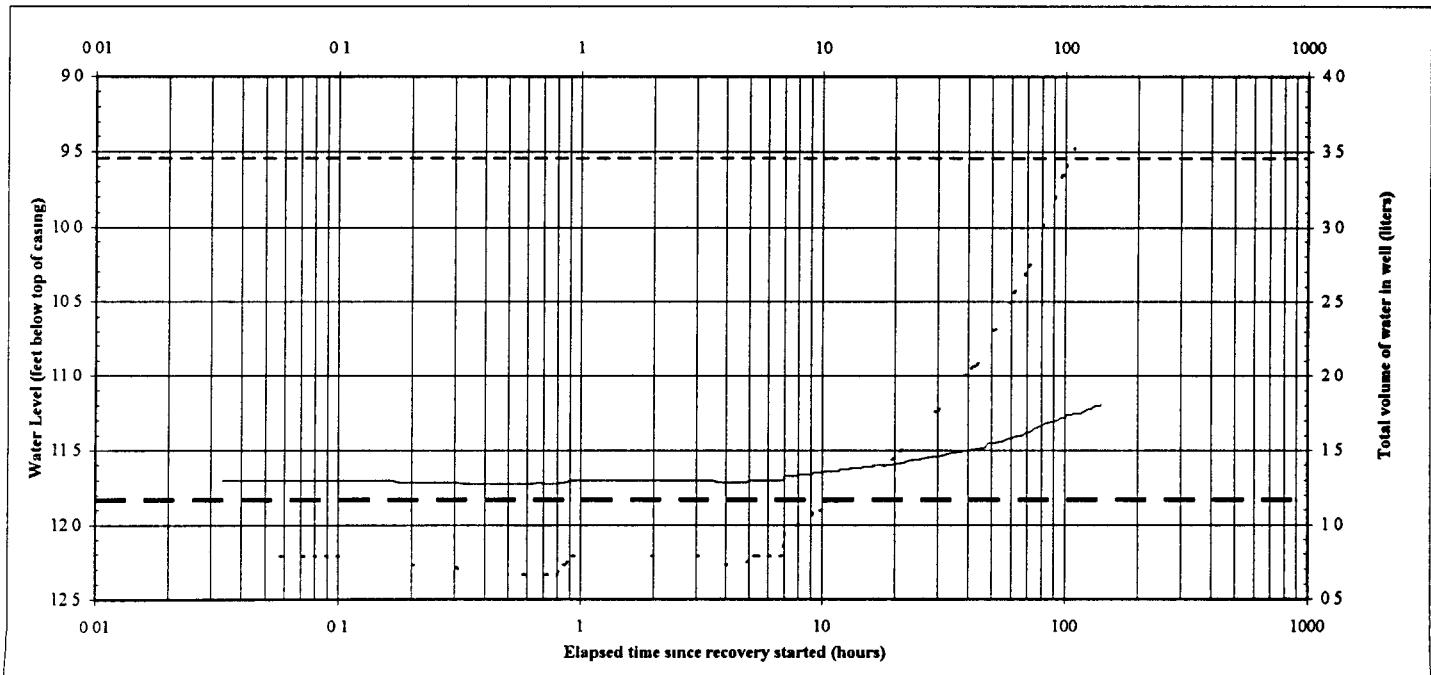
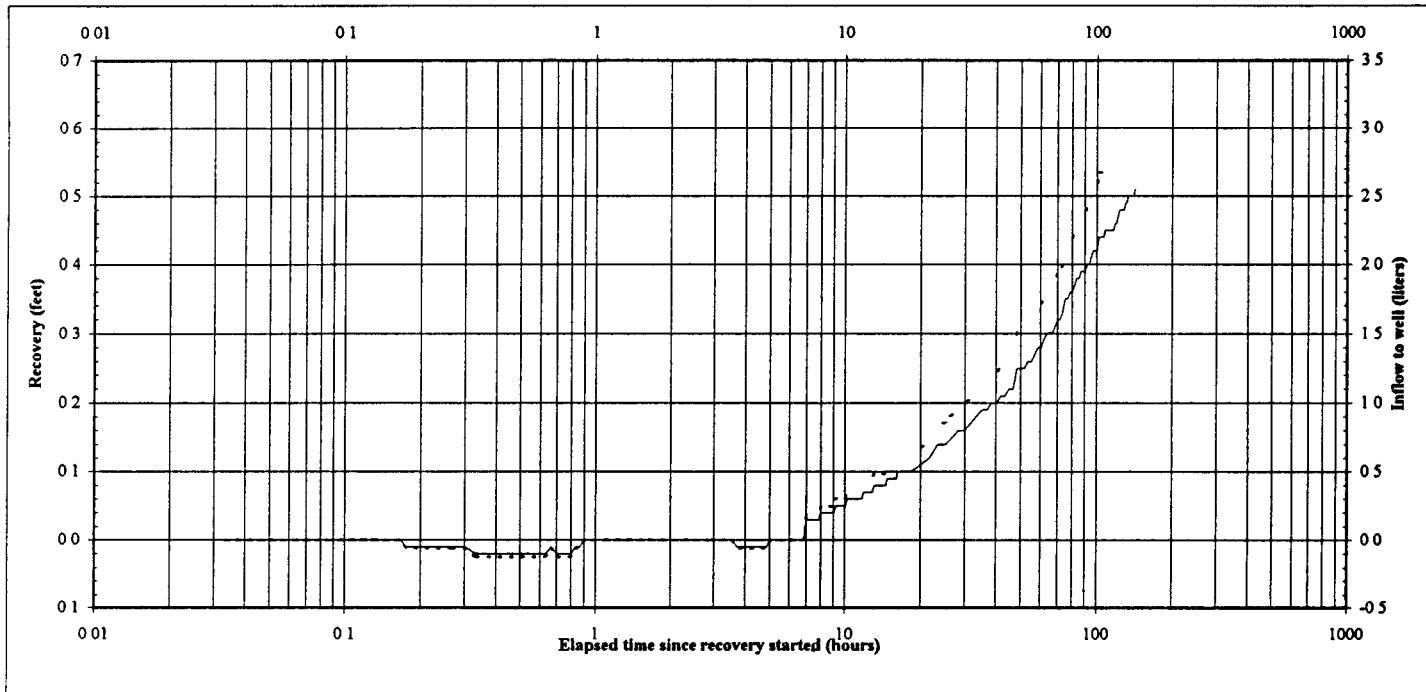
Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
(minutes)		(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
830 000	-0 070	13 8500	831 00000	0 070	12 87	4 26E-01	1 28	
840 000	-0 070	14 0167	841 00000	0 070	12 87	4 26E-01	1 28	
850 000	-0 070	14 1833	851 00000	0 070	12 87	4 26E-01	1 28	
860 000	-0 070	14 3500	861 00000	0 070	12 87	4 26E-01	1 28	
870 000	-0 070	14 5167	871 00000	0 070	12 87	4 26E-01	1 28	
880 000	-0 070	14 6833	881 00000	0 070	12 87	4 26E-01	1 28	
890 000	-0 080	14 8500	891 00000	0 080	12 86	4 87E-01	1 34	
900 000	-0 080	15 0167	901 00000	0 080	12 86	4 87E-01	1 34	
910 000	-0 080	15 1833	911 00000	0 080	12 86	4 87E-01	1 34	
920 000	-0 080	15 3500	921 00000	0 080	12 86	4 87E-01	1 34	
930 000	-0 080	15 5167	931 00000	0 080	12 86	4 87E-01	1 34	
940 000	-0 080	15 6833	941 00000	0 080	12 86	4 87E-01	1 34	
950 000	-0 080	15 8500	951 00000	0 080	12 86	4 87E-01	1 34	
960 000	-0 080	16 0167	961 00000	0 080	12 86	4 87E-01	1 34	
970 000	0 080	16 1833	971 00000	0 080	12 86	4 87E-01	1 34	
980 000	-0 080	16 3500	981 00000	0 080	12 86	4 87E-01	1 34	
990 000	-0 080	16 5167	991 00000	0 080	12 86	4 87E-01	1 34	
1000 000	-0 090	16 6833	1001 00000	0 090	12 85	5 47E-01	1 40	
1100 000	-0 090	18 3500	1101 00000	0 090	12 85	5 47E-01	1 40	
1200 000	-0 070	20 0167	1201 00000	0 070	12 87	4 26E-01	1 28	
1300 000	-0 070	21 6833	1301 00000	0 070	12 87	4 26E-01	1 28	
1400 000	-0 100	23 3500	1401 00000	0 100	12 84	6 08E-01	1 46	
1500 000	-0 090	25 0167	1501 00000	0 090	12 85	5 47E-01	1 40	
1600 000	-0 090	26 6833	1601 00000	0 090	12 85	5 47E-01	1 40	
1700 000	-0 100	28 3500	1701 00000	0 100	12 84	6 08E-01	1 46	
1800 000	-0 100	30 0167	1801 00000	0 100	12 84	6 08E-01	1 46	
1900 000	-0 100	31 6833	1901 00000	0 100	12 84	6 08E-01	1 46	
2000 000	-0 100	33 3500	2001 00000	0 100	12 84	6 08E-01	1 46	
2100 000	-0 100	35 0167	2101 00000	0 100	12 84	6 08E-01	1 46	
2200 000	-0 110	36 6833	2201 00000	0 110	12 83	6 69E-01	1 52	
2300 000	-0 110	38 3500	2301 00000	0 110	12 83	6 69E-01	1 52	
2400 000	-0 110	40 0167	2401 00000	0 110	12 83	6 69E-01	1 52	
2500 000	-0 130	41 6833	2501 00000	0 130	12 81	7 91E-01	1 64	
2600 000	-0 120	43 3500	2601 00000	0 120	12 82	7 30E-01	1 58	
2700 000	-0 120	45 0167	2701 00000	0 120	12 82	7 30E-01	1 58	
2800 000	-0 120	46 6833	2801 00000	0 120	12 82	7 30E-01	1 58	
2900 000	-0 140	48 3500	2901 00000	0 140	12 80	8 51E-01	1 70	
3000 000	-0 140	50 0167	3001 00000	0 140	12 80	8 51E-01	1 70	
3100 000	-0 130	51 6833	3101 00000	0 130	12 81	7 91E-01	1 64	
3200 000	-0 140	53 3500	3201 00000	0 140	12 80	8 51E-01	1 70	
3300 000	-0 140	55 0167	3301 00000	0 140	12 80	8 51E-01	1 70	
3400 000	-0 140	56 6833	3401 00000	0 140	12 80	8 51E-01	1 70	
3500 000	-0 150	58 3500	3501 00000	0 150	12 79	9 12E-01	1 76	
3600 000	-0 150	60 0167	3601 00000	0 150	12 79	9 12E-01	1 76	
3700 000	-0 150	61 6833	3701 00000	0 150	12 79	9 12E-01	1 76	
3800 000	-0 160	63 3500	3801 00000	0 160	12 78	9 73E-01	1 82	
3900 000	-0 160	65 0167	3901 00000	0 160	12 78	9 73E-01	1 82	
4000 000	-0 160	66 6833	4001 00000	0 160	12 78	9 73E-01	1 82	
4100 000	-0 150	68 3500	4101 00000	0 150	12 79	9 12E-01	1 76	
4200 000	-0 170	70 0167	4201 00000	0 170	12 77	1 03E+00	1 89	
4300 000	-0 170	71 6833	4301 00000	0 170	12 77	1 03E+00	1 89	
4400 000	-0 170	73 3500	4401 00000	0 170	12 77	1 03E+00	1 89	
4500 000	-0 170	75 0167	4501 00000	0 170	12 77	1 03E+00	1 89	
4600 000	0 170	76 6833	4601 00000	0 170	12 77	1 03E+00	1 89	
4700 000	-0 170	78 3500	4701 00000	0 170	12 77	1 03E+00	1 89	
4800 000	-0 170	80 0167	4801 00000	0 170	12 77	1 03E+00	1 89	
4900 000	-0 180	81 6833	4901 00000	0 180	12 76	1 09E+00	1 95	
5000 000	-0 180	83 3500	5001 00000	0 180	12 76	1 09E+00	1 95	
5100 000	-0 180	85 0167	5101 00000	0 180	12 76	1 09E+00	1 95	
5200 000	-0 180	86 6833	5201 00000	0 180	12 76	1 09E+00	1 95	
5300 000	-0 190	88 3500	5301 00000	0 190	12 75	1 16E+00	2 01	
5400 000	-0 190	90 0167	5401 00000	0 190	12 75	1 16E+00	2 01	
5500 000	-0 190	91 6833	5501 00000	0 190	12 75	1 16E+00	2 01	
5600 000	-0 190	93 3500	5601 00000	0 190	12 75	1 16E+00	2 01	
5700 000	-0 190	95 0167	5701 00000	0 190	12 75	1 16E+00	2 01	
5800 000	-0 200	96 6833	5801 00000	0 200	12 74	1 22E+00	2 07	
5900 000	-0 200	98 3500	5901 00000	0 200	12 74	1 22E+00	2 07	
6000 000	-0 200	100 0167	6001 00000	0 200	12 74	1 22E+00	2 07	
6100 000	-0 200	101 6833	6101 00000	0 200	12 74	1 22E+00	2 07	
6200 000	-0 200	103 3500	6201 00000	0 200	12 74	1 22E+00	2 07	
6300 000	-0 200	105 0167	6301 00000	0 200	12 74	1 22E+00	2 07	
6400 000	0 200	106 6833	6401 00000	0 200	12 74	1 22E+00	2 07	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
6500 000	-0 210	108 3500	6501 00000	0 210	12 73	1 28E+00	2 13	
6600 000	-0 210	110 0167	6601 00000	0 210	12 73	1 28E+00	2 13	
6700 000	-0 210	111 6833	6701 00000	0 210	12 73	1 28E+00	2 13	
6800 000	-0 220	113 3500	6801 00000	0 220	12 72	1 34E+00	2 19	
6900 000	-0 220	115 0167	6901 00000	0 220	12 72	1 34E+00	2 19	
7000 000	-0 210	116 6833	7001 00000	0 210	12 73	1 28E+00	2 13	
7100 000	-0 220	118 3500	7101 00000	0 220	12 72	1 34E+00	2 19	
7200 000	-0 220	120 0167	7201 00000	0 220	12 72	1 34E+00	2 19	
7300 000	-0 220	121 6833	7301 00000	0 220	12 72	1 34E+00	2 19	
7400 000	-0 230	123 3500	7401 00000	0 230	12 71	1 40E+00	2 25	
7500 000	-0 230	125 0167	7501 00000	0 230	12 71	1 40E+00	2 25	
7600 000	-0 230	126 6833	7601 00000	0 230	12 71	1 40E+00	2 25	
7700 000	-0 230	128 3500	7701 00000	0 230	12 71	1 40E+00	2 25	
7800 000	-0 230	130 0167	7801 00000	0 230	12 71	1 40E+00	2 25	
7900 000	-0 230	131 6833	7901 00000	0 230	12 71	1 40E+00	2 25	
8000 000	-0 230	133 3500	8001 00000	0 230	12 71	1 40E+00	2 25	
8100 000	-0 230	135 0167	8101 00000	0 230	12 71	1 40E+00	2 25	
8200 000	-0 240	136 6833	8201 00000	0 240	12 70	1 46E+00	2 31	
8300 000	-0 240	138 3500	8301 00000	0 240	12 70	1 46E+00	2 31	
8400 000	-0 230	140 0167	8401 00000	0 230	12 71	1 40E+00	2 25	
8500 000	-0 240	141 6833	8501 00000	0 240	12 70	1 46E+00	2 31	
8600 000	-0 240	143 3500	8601 00000	0 240	12 70	1 46E+00	2 31	
8700 000	-0 240	145 0167	8701 00000	0 240	12 70	1 46E+00	2 31	
8800 000	-0 250	146 6833	8801 00000	0 250	12 69	1 52E+00	2 37	
8900 000	-0 250	148 3500	8901 00000	0 250	12 69	1 52E+00	2 37	
9000 000	-0 250	150 0167	9001 00000	0 250	12 69	1 52E+00	2 37	
9100 000	-0 250	151 6833	9101 00000	0 250	12 69	1 52E+00	2 37	
9200 000	-0 250	153 3500	9201 00000	0 250	12 69	1 52E+00	2 37	
9300 000	-0 250	155 0167	9301 00000	0 250	12 69	1 52E+00	2 37	
9400 000	-0 260	156 6833	9401 00000	0 260	12 68	1 58E+00	2 43	
9500 000	-0 260	158 3500	9501 00000	0 260	12 68	1 58E+00	2 43	
9600 000	-0 260	160 0167	9601 00000	0 260	12 68	1 58E+00	2 43	
9700 000	-0 270	161 6833	9701 00000	0 270	12 67	1 64E+00	2 49	
9800 000	-0 250	163 3500	9801 00000	0 250	12 69	1 52E+00	2 37	
9900 000	-0 270	165 0167	9901 00000	0 270	12 67	1 64E+00	2 49	
10000 000	-0 260	166 6833	10001 00000	0 260	12 68	1 58E+00	2 43	
10500 000	-0 270	175 0167	10501 00000	0 270	12 67	1 64E+00	2 49	
11000 000	-0 290	183 3500	11001 00000	0 290	12 65	1 76E+00	2 62	
11500 000	0 290	191 6833	11501 00000	0 290	12 65	1 76E+00	2 62	
12000 000	-0 290	200 0167	12001 00000	0 290	12 65	1 76E+00	2 62	
12500 000	-0 300	208 3500	12501 00000	0 300	12 64	1 82E+00	2 68	
13000 000	-0 310	216 6833	13001 00000	0 310	12 63	1 89E+00	2 74	
13500 000	-0 320	225 0167	13501 00000	0 320	12 62	1 95E+00	2 80	
14000 000	0 330	233 3500	14001 00000	0 330	12 61	2 01E+00	2 86	

Well No. 38591
Measured recovery after sampling **Date: 11-Aug-94**
3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well Water Level
 Volume



Well No

38591

Date Sampled

3rd quarter

11-Aug-94

Final bail time	14 01	Delay	2 00	Minutes
Set transducer time	14 03			
Static water level (pre sampling)	9 5	feet below top of casing		
Final water level (post recovery)	11 2	feet below top of casing		
Last recorded water level	.0 5	feet below transducer		
Transducer reference depth	11 7	feet below top of casing		
Bottom of well	11 8	feet below top of casing		
First recorded water level	0 0	feet below transducer		
First recorded water level	11 7	feet below top of casing		
Water column remaining in casing after purging	0 1	feet		
Volume remaining in casing after purging	0 8	liters		
Well diameter	10 3	inches	0 854	feet
Well radius	5 1	inches	0 427	feet
Casing diameter	2 0	inches	0 167	feet
Casing radius	1 0	inches	0 083	feet
Effective well radius	3 1	inches	0 261	feet
Top of sandpack	\$ 0	feet below top of casing		
			0 62 liters/foot	
			6 08 liters/foot	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
0 000	0 000	0 000	0 0333	2 00000	0 000	11 70	0 00E+00	0 79
0 003	0 000	0 000	0 0334	2 00330	0 000	11 70	0 00E+00	0 79
0 007	0 000	0 000	0 0334	2 00660	0 000	11 70	0 00E+00	0 79
0 010	0 000	0 000	0 0335	2 00990	0 000	11 70	0 00E+00	0 79
0 013	0 000	0 000	0 0336	2 01330	0 000	11 70	0 00E+00	0 79
0 017	0 000	0 000	0 0336	2 01660	0 000	11 70	0 00E+00	0 79
0 020	0 000	0 000	0 0337	2 02000	0 000	11 70	0 00E+00	0 79
0 023	0 000	0 000	0 0337	2 02330	0 000	11 70	0 00E+00	0 79
0 027	0 000	0 000	0 0338	2 02660	0 000	11 70	0 00E+00	0 79
0 030	0 000	0 000	0 0338	2 03000	0 000	11 70	0 00E+00	0 79
0 033	0 000	0 000	0 0339	2 03330	0 000	11 70	0 00E+00	0 79
0 050	0 000	0 000	0 0342	2 05000	0 000	11 70	0 00E+00	0 79
0 067	0 000	0 000	0 0344	2 06660	0 000	11 70	0 00E+00	0 79
0 083	0 000	0 000	0 0347	2 08330	0 000	11 70	0 00E+00	0 79
0 100	0 000	0 000	0 0350	2 10000	0 000	11 70	0 00E+00	0 79
0 117	0 000	0 000	0 0353	2 11660	0 000	11 70	0 00E+00	0 79
0 133	0 000	0 000	0 0356	2 13330	0 000	11 70	0 00E+00	0 79
0 150	0 000	0 000	0 0358	2 15000	0 000	11 70	0 00E+00	0 79
0 167	0 000	0 000	0 0361	2 16660	0 000	11 70	0 00E+00	0 79
0 183	0 000	0 000	0 0364	2 18330	0 000	11 70	0 00E+00	0 79
0 200	0 000	0 000	0 0367	2 20000	0 000	11 70	0 00E+00	0 79
0 217	0 000	0 000	0 0369	2 21660	0 000	11 70	0 00E+00	0 79
0 233	0 000	0 000	0 0372	2 23330	0 000	11 70	0 00E+00	0 79
0 250	0 000	0 000	0 0375	2 25000	0 000	11 70	0 00E+00	0 79
0 267	0 000	0 000	0 0378	2 26660	0 000	11 70	0 00E+00	0 79
0 283	0 000	0 000	0 0381	2 28330	0 000	11 70	0 00E+00	0 79
0 300	0 000	0 000	0 0383	2 30000	0 000	11 70	0 00E+00	0 79
0 317	0 000	0 000	0 0386	2 31660	0 000	11 70	0 00E+00	0 79
0 333	0 000	0 000	0 0389	2 33330	0 000	11 70	0 00E+00	0 79
0 417	0 000	0 000	0 0403	2 41670	0 000	11 70	0 00E+00	0 79
0 500	0 000	0 000	0 0417	2 50000	0 000	11 70	0 00E+00	0 79
0 583	0 000	0 000	0 0431	2 58330	0 000	11 70	0 00E+00	0 79
0 667	0 000	0 000	0 0444	2 66670	0 000	11 70	0 00E+00	0 79
0 750	0 000	0 000	0 0458	2 75000	0 000	11 70	0 00E+00	0 79
0 833	0 000	0 000	0 0472	2 83330	0 000	11 70	0 00E+00	0 79
0 917	0 000	0 000	0 0486	2 91670	0 000	11 70	0 00E+00	0 79
1 000	0 000	0 000	0 0500	3 00000	0 000	11 70	0 00E+00	0 79
1 083	0 000	0 000	0 0514	3 08330	0 000	11 70	0 00E+00	0 79

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (fbtc)		
1 167	0 000	0 000	0 0528	3 16670	0 000	11 70	0 00E+00	0 79
1 250	0 000	0 000	0 0542	3 25000	0 000	11 70	0 00E+00	0 79
1 333	0 000	0 000	0 0556	3 33330	0 000	11 70	0 00E+00	0 79
1 417	0 000	0 000	0 0569	3 41660	0 000	11 70	0 00E+00	0 79
1 500	0 000	0 000	0 0583	3 50000	0 000	11 70	0 00E+00	0 79
1 583	0 000	0 000	0 0597	3 58330	0 000	11 70	0 00E+00	0 79
1 667	0 000	0 000	0 0611	3 66670	0 000	11 70	0 00E+00	0 79
1 750	0 000	0 000	0 0625	3 75000	0 000	11 70	0 00E+00	0 79
1 833	0 000	0 000	0 0639	3 83330	0 000	11 70	0 00E+00	0 79
1 917	0 000	0 000	0 0653	3 91670	0 000	11 70	0 00E+00	0 79
2 000	0 000	0 000	0 0667	4 00000	0 000	11 70	0 00E+00	0 79
2 500	0 000	0 000	0 0750	4 50000	0 000	11 70	0 00E+00	0 79
3 000	0 000	0 000	0 0833	5 00000	0 000	11 70	0 00E+00	0 79
3 500	0 000	0 000	0 0917	5 50000	0 000	11 70	0 00E+00	0 79
4 000	0 000	0 000	0 1000	6 00000	0 000	11 70	0 00E+00	0 79
4 500	0 000	0 000	0 1083	6 50000	0 000	11 70	0 00E+00	0 79
5 000	0 000	0 000	0 1167	7 00000	0 000	11 70	0 00E+00	0 79
5 500	0 000	0 000	0 1250	7 50000	0 000	11 70	0 00E+00	0 79
6 000	0 000	0 000	0 1333	8 00000	0 000	11 70	0 00E+00	0 79
6 500	0 000	0 000	0 1417	8 50000	0 000	11 70	0 00E+00	0 79
7 000	0 000	0 000	0 1500	9 00000	0 000	11 70	0 00E+00	0 79
7 500	0 000	0 000	0 1583	9 50000	0 000	11 70	0 00E+00	0 79
8 000	0 000	0 000	0 1667	10 00000	0 000	11 70	0 00E+00	0 79
8 500	0 010	0 000	0 1750	10 50000	-0 010	11 71	-6 08E-02	0 73
9 000	0 010	0 000	0 1833	11 00000	-0 010	11 71	-6 08E-02	0 73
9 500	0 010	0 000	0 1917	11 50000	-0 010	11 71	-6 08E-02	0 73
10 000	0 010	0 000	0 2000	12 00000	-0 010	11 71	-6 08E-02	0 73
12 000	0 010	0 000	0 2333	14 00000	-0 010	11 71	-6 08E-02	0 73
14 000	0 010	0 000	0 2667	16 00000	-0 010	11 71	-6 08E-02	0 73
16 000	0 010	0 000	0 3000	18 00000	-0 010	11 71	-6 08E-02	0 73
18 000	0 020	0 000	0 3333	20 00000	-0 020	11 72	-1 22E-01	0 67
20 000	0 020	0 000	0 3667	22 00000	-0 020	11 72	-1 22E-01	0 67
22 000	0 020	0 000	0 4000	24 00000	-0 020	11 72	-1 22E-01	0 67
24 000	0 020	0 000	0 4333	26 00000	-0 020	11 72	-1 22E-01	0 67
26 000	0 020	0 000	0 4667	28 00000	-0 020	11 72	-1 22E-01	0 67
28 000	0 020	0 000	0 5000	30 00000	-0 020	11 72	-1 22E-01	0 67
30 000	0 020	0 000	0 5333	32 00000	-0 020	11 72	-1 22E-01	0 67
32 000	0 020	0 000	0 5667	34 00000	-0 020	11 72	-1 22E-01	0 67
34 000	0 020	0 000	0 6000	36 00000	-0 020	11 72	-1 22E-01	0 67
36 000	0 020	0 000	0 6333	38 00000	-0 020	11 72	-1 22E-01	0 67
38 000	0 010	0 000	0 6667	40 00000	-0 010	11 71	-6 08E-02	0 73
40 000	0 020	0 000	0 7000	42 00000	-0 020	11 72	-1 22E-01	0 67
42 000	0 020	0 000	0 7333	44 00000	-0 020	11 72	-1 22E-01	0 67
44 000	0 020	0 000	0 7667	46 00000	-0 020	11 72	-1 22E-01	0 67
46 000	0 020	0 000	0 8000	48 00000	-0 020	11 72	-1 22E-01	0 67
48 000	0 010	0 000	0 8333	50 00000	-0 010	11 71	-6 08E-02	0 73
50 000	0 010	0 000	0 8667	52 00000	-0 010	11 71	-6 08E-02	0 73
52 000	0 000	0 000	0 9000	54 00000	0 000	11 70	0 00E+00	0 79
54 000	0 000	0 000	0 9333	56 00000	0 000	11 70	0 00E+00	0 79
56 000	0 000	0 000	0 9667	58 00000	0 000	11 70	0 00E+00	0 79
58 000	0 000	0 000	1 0000	60 00000	0 000	11 70	0 00E+00	0 79
60 000	0 000	0 000	1 0333	62 00000	0 000	11 70	0 00E+00	0 79
62 000	0 000	0 000	1 0667	64 00000	0 000	11 70	0 00E+00	0 79
64 000	0 000	0 000	1 1000	66 00000	0 000	11 70	0 00E+00	0 79
66 000	0 000	0 000	1 1333	68 00000	0 000	11 70	0 00E+00	0 79
68 000	0 000	0 000	1 1667	70 00000	0 000	11 70	0 00E+00	0 79
70 000	0 000	0 000	1 2000	72 00000	0 000	11 70	0 00E+00	0 79
72 000	0 000	0 000	1 2333	74 00000	0 000	11 70	0 00E+00	0 79
74 000	0 000	0 000	1 2667	76 00000	0 000	11 70	0 00E+00	0 79
76 000	0 000	0 000	1 3000	78 00000	0 000	11 70	0 00E+00	0 79
78 000	0 000	0 000	1 3333	80 00000	0 000	11 70	0 00E+00	0 79
80 000	0 000	0 000	1 3667	82 00000	0 000	11 70	0 00E+00	0 79
82 000	0 000	0 000	1 4000	84 00000	0 000	11 70	0 00E+00	0 79
84 000	0 000	0 000	1 4333	86 00000	0 000	11 70	0 00E+00	0 79
86 000	0 000	0 000	1 4667	88 00000	0 000	11 70	0 00E+00	0 79
88 000	0 000	0 000	1 5000	90 00000	0 000	11 70	0 00E+00	0 79
90 000	0 000	0 000	1 5333	92 00000	0 000	11 70	0 00E+00	0 79
92 000	0 000	0 000	1 5667	94 00000	0 000	11 70	0 00E+00	0 79
94 000	0 000	0 000	1 6000	96 00000	0 000	11 70	0 00E+00	0 79
96 000	0 000	0 000	1 6333	98 00000	0 000	11 70	0 00E+00	0 79
98 000	0 000	0 000	1 6667	100 00000	0 000	11 70	0 00E+00	0 79
100 000	0 000	0 000	1 7000	102 00000	0 000	11 70	0 00E+00	0 79

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
110 000	0 000	1 8667	112 00000	0 000	11 70	0 00E+00	0 79	
120 000	0 000	2 0333	122 00000	0 000	11 70	0 00E+00	0 79	
130 000	0 000	2 2000	132 00000	0 000	11 70	0 00E+00	0 79	
140 000	0 000	2 3667	142 00000	0 000	11 70	0 00E+00	0 79	
150 000	0 000	2 5333	152 00000	0 000	11 70	0 00E+00	0 79	
160 000	0 000	2 7000	162 00000	0 000	11 70	0 00E+00	0 79	
170 000	0 000	2 8667	172 00000	0 000	11 70	0 00E+00	0 79	
180 000	0 000	3 0333	182 00000	0 000	11 70	0 00E+00	0 79	
190 000	0 000	3 2000	192 00000	0 000	11 70	0 00E+00	0 79	
200 000	0 000	3 3667	202 00000	0 000	11 70	0 00E+00	0 79	
210 000	0 000	3 5333	212 00000	0 000	11 70	0 00E+00	0 79	
220 000	0 010	3 7000	222 00000	-0 010	11 71	-6 08E-02	0 73	
230 000	0 010	3 8667	232 00000	-0 010	11 71	-6 08E-02	0 73	
240 000	0 010	4 0333	242 00000	-0 010	11 71	-6 08E-02	0 73	
250 000	0 010	4 2000	252 00000	-0 010	11 71	-6 08E-02	0 73	
260 000	0 010	4 3667	262 00000	-0 010	11 71	-6 08E-02	0 73	
270 000	0 010	4 5333	272 00000	-0 010	11 71	-6 08E-02	0 73	
280 000	0 010	4 7000	282 00000	-0 010	11 71	-6 08E-02	0 73	
290 000	0 010	4 8667	292 00000	-0 010	11 71	-6 08E-02	0 73	
300 000	0 000	5 0333	302 00000	0 000	11 70	0 00E+00	0 79	
310 000	0 000	5 2000	312 00000	0 000	11 70	0 00E+00	0 79	
320 000	0 000	5 3667	322 00000	0 000	11 70	0 00E+00	0 79	
330 000	0 000	5 5333	332 00000	0 000	11 70	0 00E+00	0 79	
340 000	0 000	5 7000	342 00000	0 000	11 70	0 00E+00	0 79	
350 000	0 000	5 8667	352 00000	0 000	11 70	0 00E+00	0 79	
360 000	0 000	6 0333	362 00000	0 000	11 70	0 00E+00	0 79	
370 000	0 000	6 2000	372 00000	0 000	11 70	0 00E+00	0 79	
380 000	0 000	6 3667	382 00000	0 000	11 70	0 00E+00	0 79	
390 000	0 000	6 5333	392 00000	0 000	11 70	0 00E+00	0 79	
400 000	0 000	6 7000	402 00000	0 000	11 70	0 00E+00	0 79	
410 000	0 000	6 8667	412 00000	0 000	11 70	0 00E+00	0 79	
420 000	-0 030	7 0333	422 00000	0 030	11 67	1 82E-01	0 97	
430 000	-0 030	7 2000	432 00000	0 030	11 67	1 82E-01	0 97	
440 000	-0 030	7 3667	442 00000	0 030	11 67	1 82E-01	0 97	
450 000	-0 030	7 5333	452 00000	0 030	11 67	1 82E-01	0 97	
460 000	-0 030	7 7000	462 00000	0 030	11 67	1 82E-01	0 97	
470 000	-0 030	7 8667	472 00000	0 030	11 67	1 82E-01	0 97	
480 000	-0 040	8 0333	482 00000	0 040	11 66	2 43E-01	1 03	
490 000	-0 040	8 2000	492 00000	0 040	11 66	2 43E-01	1 03	
500 000	-0 040	8 3667	502 00000	0 040	11 66	2 43E-01	1 03	
510 000	-0 040	8 5333	512 00000	0 040	11 66	2 43E-01	1 03	
520 000	-0 040	8 7000	522 00000	0 040	11 66	2 43E-01	1 03	
530 000	-0 040	8 8667	532 00000	0 040	11 66	2 43E-01	1 03	
540 000	-0 040	9 0333	542 00000	0 040	11 66	2 43E-01	1 03	
550 000	-0 050	9 2000	552 00000	0 050	11 65	3 04E-01	1 09	
560 000	-0 050	9 3667	562 00000	0 050	11 65	3 04E-01	1 09	
570 000	-0 050	9 5333	572 00000	0 050	11 65	3 04E-01	1 09	
580 000	-0 050	9 7000	582 00000	0 050	11 65	3 04E-01	1 09	
590 000	-0 050	9 8667	592 00000	0 050	11 65	3 04E-01	1 09	
600 000	-0 050	10 0333	602 00000	0 050	11 65	3 04E-01	1 09	
610 000	-0 060	10 2000	612 00000	0 060	11 64	3 65E-01	1 16	
620 000	0 060	10 3667	622 00000	0 060	11 64	3 65E-01	1 16	
630 000	-0 060	10 5333	632 00000	0 060	11 64	3 65E-01	1 16	
640 000	-0 060	10 7000	642 00000	0 060	11 64	3 65E-01	1 16	
650 000	0 060	10 8667	652 00000	0 060	11 64	3 65E-01	1 16	
660 000	-0 060	11 0333	662 00000	0 060	11 64	3 65E-01	1 16	
670 000	-0 060	11 2000	672 00000	0 060	11 64	3 65E-01	1 16	
680 000	0 060	11 3667	682 00000	0 060	11 64	3 65E-01	1 16	
690 000	0 060	11 5333	692 00000	0 060	11 64	3 65E-01	1 16	
700 000	-0 060	11 7000	702 00000	0 060	11 64	3 65E-01	1 16	
710 000	-0 070	11 8667	712 00000	0 070	11 63	4 26E-01	1 22	
720 000	-0 070	12 0333	722 00000	0 070	11 63	4 26E-01	1 22	
730 000	-0 070	12 2000	732 00000	0 070	11 63	4 26E-01	1 22	
740 000	-0 070	12 3667	742 00000	0 070	11 63	4 26E-01	1 22	
750 000	-0 070	12 5333	752 00000	0 070	11 63	4 26E-01	1 22	
760 000	0 070	12 7000	762 00000	0 070	11 63	4 26E-01	1 22	
770 000	-0 070	12 8667	772 00000	0 070	11 63	4 26E-01	1 22	
780 000	-0 080	13 0333	782 00000	0 080	11 62	4 87E-01	1 28	
790 000	0 080	13 2000	792 00000	0 080	11 62	4 87E-01	1 28	
800 000	-0 080	13 3667	802 00000	0 080	11 62	4 87E-01	1 28	
810 000	-0 080	13 5333	812 00000	0 080	11 62	4 87E-01	1 28	
820 000	-0 080	13 7000	822 00000	0 080	11 62	4 87E-01	1 28	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
(minutes)		(feet)	(hours)		(Feet of water)	(fbtc)	(liters)	(liters)
830 000	-0 080	13 8667	832 00000	0 080	11 62	4 87E-01	1 28	
840 000	-0 080	14 0333	842 00000	0 080	11 62	4 87E-01	1 28	
850 000	-0 080	14 2000	852 00000	0 080	11 62	4 87E-01	1 28	
860 000	-0 080	14 3667	862 00000	0 080	11 62	4 87E-01	1 28	
870 000	-0 080	14 5333	872 00000	0 080	11 62	4 87E-01	1 28	
880 000	-0 090	14 7000	882 00000	0 090	11 61	5 47E-01	1 34	
890 000	-0 090	14 8667	892 00000	0 090	11 61	5 47E-01	1 34	
900 000	-0 090	15 0333	902 00000	0 090	11 61	5 47E-01	1 34	
910 000	-0 090	15 2000	912 00000	0 090	11 61	5 47E-01	1 34	
920 000	-0 090	15 3667	922 00000	0 090	11 61	5 47E-01	1 34	
930 000	-0 090	15 5333	932 00000	0 090	11 61	5 47E-01	1 34	
940 000	-0 090	15 7000	942 00000	0 090	11 61	5 47E-01	1 34	
950 000	0 090	15 8667	952 00000	0 090	11 61	5 47E-01	1 34	
960 000	-0 090	16 0333	962 00000	0 090	11 61	5 47E-01	1 34	
970 000	-0 100	16 2000	972 00000	0 100	11 60	6 08E-01	1 40	
980 000	-0 100	16 3667	982 00000	0 100	11 60	6 08E-01	1 40	
990 000	-0 100	16 5333	992 00000	0 100	11 60	6 08E-01	1 40	
1000 000	-0 100	16 7000	1002 00000	0 100	11 60	6 08E-01	1 40	
1100 000	-0 100	18 3667	1102 00000	0 100	11 60	6 08E-01	1 40	
1200 000	-0 110	20 0333	1202 00000	0 110	11 59	6 69E-01	1 46	
1300 000	-0 120	21 7000	1302 00000	0 120	11 58	7 30E-01	1 52	
1400 000	-0 140	23 3667	1402 00000	0 140	11 56	8 51E-01	1 64	
1500 000	-0 140	25 0333	1502 00000	0 140	11 56	8 51E-01	1 64	
1600 000	0 150	26 7000	1602 00000	0 150	11 55	9 12E-01	1 70	
1700 000	-0 160	28 3667	1702 00000	0 160	11 54	9 73E-01	1 76	
1800 000	-0 160	30 0333	1802 00000	0 160	11 54	9 73E-01	1 76	
1900 000	-0 170	31 7000	1902 00000	0 170	11 53	1 03E+00	1 82	
2000 000	-0 180	33 3667	2002 00000	0 180	11 52	1 09E+00	1 89	
2100 000	-0 190	35 0333	2102 00000	0 190	11 51	1 16E+00	1 95	
2200 000	-0 190	36 7000	2202 00000	0 190	11 51	1 16E+00	1 95	
2300 000	0 200	38 3667	2302 00000	0 200	11 50	1 22E+00	2 01	
2400 000	-0 200	40 0333	2402 00000	0 200	11 50	1 22E+00	2 01	
2500 000	-0 210	41 7000	2502 00000	0 210	11 49	1 28E+00	2 07	
2600 000	-0 210	43 3667	2602 00000	0 210	11 49	1 28E+00	2 07	
2700 000	-0 220	45 0333	2702 00000	0 220	11 48	1 34E+00	2 13	
2800 000	-0 220	46 7000	2802 00000	0 220	11 48	1 34E+00	2 13	
2900 000	-0 250	48 3667	2902 00000	0 250	11 45	1 52E+00	2 31	
3000 000	-0 250	50 0333	3002 00000	0 250	11 45	1 52E+00	2 31	
3100 000	-0 250	51 7000	3102 00000	0 250	11 45	1 52E+00	2 31	
3200 000	-0 260	53 3667	3202 00000	0 260	11 44	1 58E+00	2 37	
3300 000	-0 260	55 0333	3302 00000	0 260	11 44	1 58E+00	2 37	
3400 000	0 270	56 7000	3402 00000	0 270	11 43	1 64E+00	2 43	
3500 000	0 280	58 3667	3502 00000	0 280	11 42	1 70E+00	2 49	
3600 000	-0 280	60 0333	3602 00000	0 280	11 42	1 70E+00	2 49	
3700 000	-0 290	61 7000	3702 00000	0 290	11 41	1 76E+00	2 55	
3800 000	-0 300	63 3667	3802 00000	0 300	11 40	1 82E+00	2 62	
3900 000	-0 300	65 0333	3902 00000	0 300	11 40	1 82E+00	2 62	
4000 000	0 300	66 7000	4002 00000	0 300	11 40	1 82E+00	2 62	
4100 000	-0 310	68 3667	4102 00000	0 310	11 39	1 89E+00	2 68	
4200 000	-0 320	70 0333	4202 00000	0 320	11 38	1 95E+00	2 74	
4300 000	-0 320	71 7000	4302 00000	0 320	11 38	1 95E+00	2 74	
4400 000	-0 330	73 3667	4402 00000	0 330	11 37	2 01E+00	2 80	
4500 000	-0 350	75 0333	4502 00000	0 350	11 35	2 13E+00	2 92	
4600 000	-0 350	76 7000	4602 00000	0 350	11 35	2 13E+00	2 92	
4700 000	-0 360	78 3667	4702 00000	0 360	11 34	2 19E+00	2 98	
4800 000	-0 360	80 0333	4802 00000	0 360	11 34	2 19E+00	2 98	
4900 000	-0 370	81 7000	4902 00000	0 370	11 33	2 25E+00	3 04	
5000 000	0 380	83 3667	5002 00000	0 380	11 32	2 31E+00	3 10	
5100 000	-0 380	85 0333	5102 00000	0 380	11 32	2 31E+00	3 10	
5200 000	0 390	86 7000	5202 00000	0 390	11 31	2 37E+00	3 16	
5300 000	0 390	88 3667	5302 00000	0 390	11 31	2 37E+00	3 16	
5400 000	-0 390	90 0333	5402 00000	0 390	11 31	2 37E+00	3 16	
5500 000	-0 400	91 7000	5502 00000	0 400	11 30	2 43E+00	3 22	
5600 000	-0 400	93 3667	5602 00000	0 400	11 30	2 43E+00	3 22	
5700 000	-0 410	95 0333	5702 00000	0 410	11 29	2 49E+00	3 28	
5800 000	-0 420	96 7000	5802 00000	0 420	11 28	2 55E+00	3 34	
5900 000	-0 420	98 3667	5902 00000	0 420	11 28	2 55E+00	3 34	
6000 000	-0 420	100 0333	6002 00000	0 420	11 28	2 55E+00	3 34	
6100 000	0 440	101 7000	6102 00000	0 440	11 26	2 68E+00	3 47	
6200 000	-0 440	103 3667	6202 00000	0 440	11 26	2 68E+00	3 47	
6300 000	-0 440	105 0333	6302 00000	0 440	11 26	2 68E+00	3 47	
6400 000	-0 440	106 7000	6402 00000	0 440	11 26	2 68E+00	3 47	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
6500 000	-0 450	108 3667	6502 00000	0 450	11 25	2 74E+00	3 53	
6600 000	-0 450	110 0333	6602 00000	0 450	11 25	2 74E+00	3 53	
6700 000	-0 450	111 7000	6702 00000	0 450	11 25	2 74E+00	3 53	
6800 000	-0 450	113 3667	6802 00000	0 450	11 25	2 74E+00	3 53	
6900 000	-0 450	115 0333	6902 00000	0 450	11 25	2 74E+00	3 53	
7000 000	-0 450	116 7000	7002 00000	0 450	11 25	2 74E+00	3 53	
7100 000	-0 460	118 3667	7102 00000	0 460	11 24	2 80E+00	3 59	
7200 000	-0 460	120 0333	7202 00000	0 460	11 24	2 80E+00	3 59	
7300 000	-0 470	121 7000	7302 00000	0 470	11 23	2 86E+00	3 65	
7400 000	-0 480	123 3667	7402 00000	0 480	11 22	2 92E+00	3 71	
7500 000	-0 480	125 0333	7502 00000	0 480	11 22	2 92E+00	3 71	
7600 000	-0 480	126 7000	7602 00000	0 480	11 22	2 92E+00	3 71	
7700 000	-0 480	128 3667	7702 00000	0 480	11 22	2 92E+00	3 71	
7800 000	-0 490	130 0333	7802 00000	0 490	11 21	2 98E+00	3 77	
7900 000	-0 490	131 7000	7902 00000	0 490	11 21	2 98E+00	3 77	
8000 000	-0 500	133 3667	8002 00000	0 500	11 20	3 04E+00	3 83	
8100 000	-0 500	135 0333	8102 00000	0 500	11 20	3 04E+00	3 83	
8200 000	-0 500	136 7000	8202 00000	0 500	11 20	3 04E+00	3 83	
8300 000	-0 500	138 3667	8302 00000	0 500	11 20	3 04E+00	3 83	
8400 000	-0 500	140 0333	8402 00000	0 500	11 20	3 04E+00	3 83	
8500 000	-0 510	141 7000	8502 00000	0 510	11 19	3 10E+00	3 89	

Well No. 38991

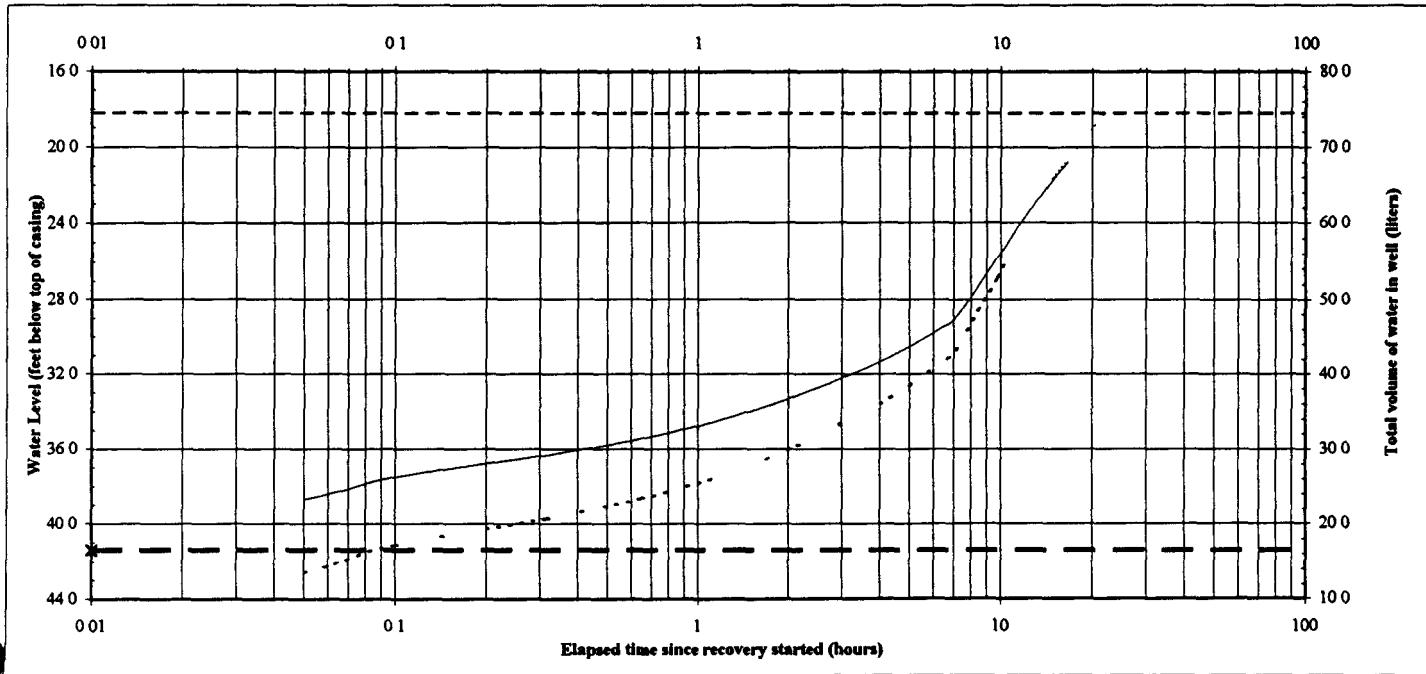
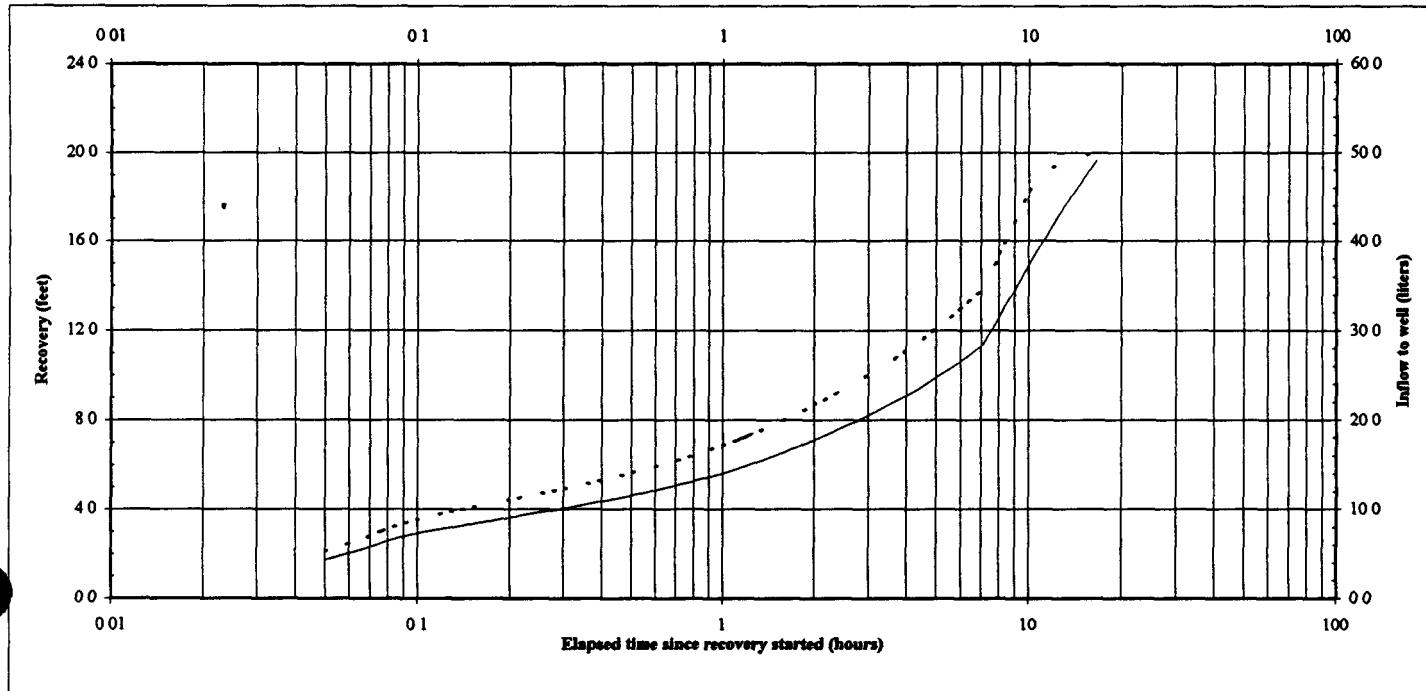
Measured recovery after sampling

Date: 10-Aug-94

3rd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

38991

Date Sampled

3 rd quarter
10-Aug-94

Final bail time	13.20	Delay	3 00	Minutes
Set transducer time	13.23			
Static water level (pre-sampling)	18.2	feet below top of casing		
Final water level (post-recovery)	20.8	feet below top of casing		
Last recorded water level	-19.7	feet below transducer		
Transducer Reference Depth	40.4	feet below top of casing		
Bottom of well	41.4	feet below top of casing		
First recorded water level	-1.7	feet below transducer		
First recorded water level	38.7	feet below top of casing		
Water column remaining in casing after purging	2.7	feet		
Volume remaining in casing after purging	8.3	liters		
Well diameter	7.0	inches	0.583	feet
Well radius	3.5	inches	0.292	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	34.8	feet below top of casing	0.62	liters/foot
			3.05	liters/foot

Input data							Cumulative	Volume of
Transducer Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	(fbtc)	Inflow (liters)	water in well (liters)
(minutes)	(feet)	(hours)		(Feet of water)				
0 000	-1 733	0 0500	3 00000	1 733	38 69			
0 003	-1 733	0 0501	3 00330	1 733	38 69		5 29E+00	13 54
0 007	-1 736	0 0501	3 00660	1 736	38 69		5 30E+00	13 55
0 010	-1 736	0 0502	3 01000	1 736	38 69		5 30E+00	13 55
0 013	-1 739	0 0502	3 01330	1 739	38 69		5 31E+00	13 56
0 017	-1 739	0 0503	3 01660	1 739	38 69		5 31E+00	13 56
0 020	-1 742	0 0503	3 02000	1 742	38 68		5 31E+00	13 57
0 023	-1 742	0 0504	3 02330	1 742	38 68		5 31E+00	13 57
0 027	-1 745	0 0504	3 02660	1 745	38 68		5 32E+00	13 58
0 030	-1 745	0 0505	3 03000	1 745	38 68		5 32E+00	13 58
0 033	-1 749	0 0506	3 03330	1 749	38 68		5 34E+00	13 59
0 037	-1 749	0 0506	3 03660	1 749	38 68		5 34E+00	13 59
0 040	-1 752	0 0507	3 04000	1 752	38 67		5 34E+00	13 60
0 043	-1 752	0 0507	3 04330	1 752	38 67		5 34E+00	13 60
0 047	-1 755	0 0508	3 04660	1 755	38 67		5 35E+00	13 61
0 050	-1 755	0 0508	3 05000	1 755	38 67		5 35E+00	13 61
0 053	-1 758	0 0509	3 05330	1 758	38 67		5 36E+00	13 62
0 057	-1 758	0 0509	3 05660	1 758	38 67		5 36E+00	13 62
0 060	-1 761	0 0510	3 06000	1 761	38 67		5 37E+00	13 63
0 063	-1 761	0 0511	3 06330	1 761	38 67		5 37E+00	13 63
0 067	-1 764	0 0511	3 06660	1 764	38 66		5 38E+00	13 64
0 070	-1 768	0 0512	3 07000	1 768	38 66		5 39E+00	13 65
0 073	-1 768	0 0512	3 07330	1 768	38 66		5 39E+00	13 65
0 077	-1 771	0 0513	3 07660	1 771	38 66		5 40E+00	13 66
0 080	-1 771	0 0513	3 08000	1 771	38 66		5 40E+00	13 66
0 083	-1 771	0 0514	3 08330	1 771	38 66		5 40E+00	13 66
0 087	-1 774	0 0514	3 08660	1 774	38 65		5 41E+00	13 67
0 090	-1 774	0 0515	3 09000	1 774	38 65		5 41E+00	13 67
0 093	-1 777	0 0516	3 09330	1 777	38 65		5 42E+00	13 68
0 097	-1 777	0 0516	3 09660	1 777	38 65		5 42E+00	13 68
0 100	-1 780	0 0517	3 10000	1 780	38 65		5 43E+00	13 69
0 103	-1 780	0 0517	3 10330	1 780	38 65		5 43E+00	13 69
0 107	-1 783	0 0518	3 10660	1 783	38 64		5 44E+00	13 70
0 110	-1 783	0 0518	3 11000	1 783	38 64		5 44E+00	13 70
0 113	-1 786	0 0519	3 11330	1 786	38 64		5 45E+00	13 71
0 117	-1 786	0 0519	3 11660	1 786	38 64		5 45E+00	13 71
0 120	-1 786	0 0520	3 12000	1 786	38 64		5 45E+00	13 71
0 123	-1 790	0 0521	3 12330	1 790	38 64		5 46E+00	13 72

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time								
0 127	-1 793	0 0521	3 12660	1 793	38 63	5 47E+00	13 73		
0 130	-1 793	0 0522	3 13000	1 793	38 63	5 47E+00	13 73		
0 133	-1 796	0 0522	3 13330	1 796	38 63	5 48E+00	13 74		
0 137	-1 796	0 0523	3 13660	1 796	38 63	5 48E+00	13 74		
0 140	-1 799	0 0523	3 14000	1 799	38 63	5 49E+00	13 75		
0 143	-1 799	0 0524	3 14330	1 799	38 63	5 49E+00	13 75		
0 147	-1 802	0 0524	3 14660	1 802	38 62	5 50E+00	13 76		
0 150	-1 802	0 0525	3 15000	1 802	38 62	5 50E+00	13 76		
0 153	-1 805	0 0526	3 15330	1 805	38 62	5 51E+00	13 76		
0 157	-1 809	0 0526	3 15660	1 809	38 62	5 52E+00	13 78		
0 160	-1 809	0 0527	3 16000	1 809	38 62	5 52E+00	13 78		
0 163	-1 809	0 0527	3 16330	1 809	38 62	5 52E+00	13 78		
0 167	-1 812	0 0528	3 16660	1 812	38 61	5 53E+00	13 79		
0 170	-1 812	0 0528	3 17000	1 812	38 61	5 53E+00	13 79		
0 173	-1 815	0 0529	3 17330	1 815	38 61	5 54E+00	13 79		
0 177	-1 818	0 0529	3 17660	1 818	38 61	5 55E+00	13 80		
0 180	-1 818	0 0530	3 18000	1 818	38 61	5 55E+00	13 80		
0 183	-1 821	0 0531	3 18330	1 821	38 61	5 56E+00	13 81		
0 187	-1 821	0 0531	3 18660	1 821	38 61	5 56E+00	13 81		
0 190	-1 824	0 0532	3 19000	1 824	38 60	5 56E+00	13 82		
0 193	-1 824	0 0532	3 19330	1 824	38 60	5 56E+00	13 82		
0 197	-1 824	0 0533	3 19660	1 824	38 60	5 56E+00	13 82		
0 200	-1 828	0 0533	3 20000	1 828	38 60	5 58E+00	13 83		
0 203	-1 828	0 0534	3 20330	1 828	38 60	5 58E+00	13 83		
0 207	-1 831	0 0534	3 20660	1 831	38 60	5 59E+00	13 84		
0 210	-1 834	0 0535	3 21000	1 834	38 59	5 59E+00	13 85		
0 213	-1 834	0 0536	3 21330	1 834	38 59	5 59E+00	13 85		
0 217	-1 837	0 0536	3 21660	1 837	38 59	5 60E+00	13 86		
0 220	-1 837	0 0537	3 22000	1 837	38 59	5 60E+00	13 86		
0 223	-1 840	0 0537	3 22330	1 840	38 59	5 61E+00	13 87		
0 227	-1 840	0 0538	3 22660	1 840	38 59	5 61E+00	13 87		
0 230	-1 840	0 0538	3 23000	1 840	38 59	5 61E+00	13 87		
0 233	-1 843	0 0539	3 23330	1 843	38 58	5 62E+00	13 88		
0 237	-1 847	0 0539	3 23660	1 847	38 58	5 63E+00	13 89		
0 240	-1 847	0 0540	3 24000	1 847	38 58	5 63E+00	13 89		
0 243	-1 850	0 0541	3 24330	1 850	38 58	5 64E+00	13 90		
0 247	-1 850	0 0541	3 24660	1 850	38 58	5 64E+00	13 90		
0 250	-1 853	0 0542	3 25000	1 853	38 57	5 65E+00	13 91		
0 253	-1 853	0 0542	3 25330	1 853	38 57	5 65E+00	13 91		
0 257	-1 856	0 0543	3 25660	1 856	38 57	5 66E+00	13 92		
0 260	-1 859	0 0543	3 26000	1 859	38 57	5 67E+00	13 93		
0 263	-1 859	0 0544	3 26330	1 859	38 57	5 67E+00	13 93		
0 267	-1 862	0 0544	3 26660	1 862	38 56	5 68E+00	13 94		
0 270	-1 862	0 0545	3 27000	1 862	38 56	5 68E+00	13 94		
0 273	-1 862	0 0546	3 27330	1 862	38 56	5 68E+00	13 94		
0 277	-1 866	0 0546	3 27660	1 866	38 56	5 69E+00	13 95		
0 280	-1 866	0 0547	3 28000	1 866	38 56	5 69E+00	13 95		
0 283	-1 869	0 0547	3 28330	1 869	38 56	5 70E+00	13 96		
0 287	-1 869	0 0548	3 28660	1 869	38 56	5 70E+00	13 96		
0 290	-1 872	0 0548	3 29000	1 872	38 55	5 71E+00	13 97		
0 293	-1 872	0 0549	3 29330	1 872	38 55	5 71E+00	13 97		
0 297	-1 875	0 0549	3 29660	1 875	38 55	5 72E+00	13 98		
0 300	-1 878	0 0550	3 30000	1 878	38 55	5 73E+00	13 99		
0 303	-1 878	0 0551	3 30330	1 878	38 55	5 73E+00	13 99		
0 307	-1 881	0 0551	3 30660	1 881	38 55	5 74E+00	14 00		
0 310	-1 881	0 0552	3 31000	1 881	38 55	5 74E+00	14 00		
0 313	-1 885	0 0552	3 31330	1 885	38 54	5 75E+00	14 01		
0 317	-1 885	0 0553	3 31660	1 885	38 54	5 75E+00	14 01		
0 320	-1 885	0 0553	3 32000	1 885	38 54	5 75E+00	14 01		
0 323	-1 888	0 0554	3 32330	1 888	38 54	5 76E+00	14 02		
0 327	-1 888	0 0554	3 32660	1 888	38 54	5 76E+00	14 02		
0 330	-1 891	0 0555	3 33000	1 891	38 54	5 77E+00	14 03		
0 333	-1 891	0 0556	3 33330	1 891	38 54	5 77E+00	14 03		
0 350	-1 903	0 0558	3 35000	1 903	38 52	5 81E+00	14 06		
0 367	-1 910	0 0561	3 36660	1 910	38 52	5 83E+00	14 08		
0 383	-1 916	0 0564	3 38330	1 916	38 51	5 84E+00	14 10		
0 400	-1 926	0 0567	3 40000	1 926	38 50	5 88E+00	14 13		
0 417	-1 935	0 0569	3 41660	1 935	38 49	5 90E+00	14 16		
0 433	-1 945	0 0572	3 43330	1 945	38 48	5 93E+00	14 19		
0 450	-1 951	0 0575	3 45000	1 951	38 48	5 95E+00	14 21		
0 467	-1 960	0 0578	3 46660	1 960	38 47	5 98E+00	14 24		
0 483	-1 970	0 0581	3 48330	1 970	38 46	6 01E+00	14 27		

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 500	-1 976	0 0583	3 50000	1 976	38 45	6 03E+00	14 29		
0 517	-1 983	0 0586	3 51660	1 983	38 44	6 05E+00	14 31		
0 533	-1 992	0 0589	3 53330	1 992	38 43	6 08E+00	14 33		
0 550	-1 998	0 0592	3 55000	1 998	38 43	6 10E+00	14 35		
0 567	-2 008	0 0594	3 56660	2.008	38 42	6 13E+00	14 38		
0 583	-2 017	0 0597	3 58330	2.017	38 41	6 15E+00	14 41		
0 600	-2 024	0 0600	3 60000	2.024	38 40	6 17E+00	14 43		
0 617	-2 030	0 0603	3 61660	2.030	38 40	6 19E+00	14 45		
0 633	-2 039	0 0606	3 63330	2.039	38 39	6 22E+00	14 48		
0 650	-2 049	0 0608	3 65000	2.049	38 38	6 25E+00	14 51		
0 667	-2 055	0 0611	3 66660	2.055	38 37	6 27E+00	14 53		
0 683	-2 065	0 0614	3 68330	2.065	38 36	6 30E+00	14 56		
0 700	-2 071	0 0617	3 70000	2.071	38 36	6 32E+00	14 58		
0 717	-2 081	0 0619	3 71660	2.081	38 35	6 35E+00	14 61		
0 733	-2 087	0 0622	3 73330	2.087	38 34	6 37E+00	14 62		
0 750	-2 096	0 0625	3 75000	2.096	38 33	6 39E+00	14 65		
0 767	-2 103	0 0628	3 76660	2.103	38 32	6 42E+00	14 67		
0 783	-2 109	0 0631	3 78330	2.109	38 32	6 43E+00	14 69		
0 800	-2 119	0 0633	3 80000	2.119	38 31	6 46E+00	14 72		
0 817	-2 125	0 0636	3 81660	2.125	38 30	6 48E+00	14 74		
0 833	-2 134	0 0639	3 83330	2.134	38 29	6 51E+00	14 77		
0 850	-2 141	0 0642	3 85000	2 141	38 29	6 53E+00	14 79		
0 867	-2 147	0 0644	3 86660	2 147	38 28	6 55E+00	14 81		
0 883	-2 157	0 0647	3 88330	2 157	38 27	6 58E+00	14 84		
0 900	-2 166	0 0650	3 90000	2 166	38 26	6 61E+00	14 87		
0 917	-2 169	0 0653	3 91660	2 169	38 26	6 62E+00	14 87		
0 933	-2 179	0 0656	3 93330	2 179	38 25	6 65E+00	14 91		
0 950	-2 185	0 0658	3 95000	2 185	38 24	6 67E+00	14 92		
0 967	-2 194	0 0661	3 96660	2 194	38 23	6 69E+00	14 95		
0 983	-2 201	0 0664	3 98330	2.201	38 23	6 71E+00	14 97		
1 000	-2 210	0 0667	4 00000	2.210	38 22	6 74E+00	15 00		
1 200	-2 311	0 0700	4 20000	2 311	38 12	7 05E+00	15 31		
1 400	-2 406	0 0733	4 40000	2 406	38 02	7 34E+00	15 60		
1 600	-2 498	0 0767	4 60000	2 498	37 93	7 62E+00	15 88		
1 800	-2 580	0 0800	4 80000	2 580	37 85	7 87E+00	16 13		
2 000	-2 656	0 0833	5 00000	2 656	37 77	8 10E+00	16 36		
2 200	-2 726	0 0867	5 20000	2 726	37 70	8 32E+00	16 57		
2 400	-2 786	0 0900	5 40000	2 786	37 64	8 50E+00	16 76		
2 600	-2 840	0 0933	5 60000	2 840	37 59	8 66E+00	16 92		
2 800	-2 887	0 0967	5 80000	2 887	37 54	8 81E+00	17 07		
3 000	-2 931	0 1000	6 00000	2 931	37 50	8 94E+00	17 20		
3 200	-2 972	0 1033	6 20000	2 972	37 45	9 07E+00	17 32		
3 400	-3 007	0 1067	6 40000	3 007	37 42	9 17E+00	17 43		
3 600	-3 039	0 1100	6 60000	3 039	37 39	9 27E+00	17 53		
3 800	-3 070	0 1133	6 80000	3 070	37 36	9 37E+00	17 62		
4 000	-3 099	0 1167	7 00000	3 099	37 33	9 45E+00	17 71		
4 200	-3 127	0 1200	7 20000	3 127	37 30	9 54E+00	17 80		
4 400	-3 153	0 1233	7 40000	3 153	37 27	9 62E+00	17 88		
4 600	-3 181	0 1267	7 60000	3 181	37 25	9 70E+00	17 96		
4 800	-3 206	0 1300	7 80000	3 206	37 22	9 78E+00	18 04		
5 000	-3 235	0 1333	8 00000	3 235	37 19	9 87E+00	18 13		
5 200	-3 260	0 1367	8 20000	3 260	37 17	9 95E+00	18 20		
5 400	-3 282	0 1400	8 40000	3 282	37 14	1 00E+01	18 27		
5 600	-3 308	0 1433	8 60000	3 308	37 12	1 01E+01	18 35		
5 800	-3 330	0 1467	8 80000	3 330	37 10	1 02E+01	18 42		
6 000	-3 352	0 1500	9 00000	3 352	37 07	1 02E+01	18 48		
6 200	-3 374	0 1533	9 20000	3 374	37 05	1 03E+01	18 55		
6 400	-3 396	0 1567	9 40000	3 396	37 03	1 04E+01	18 62		
6 600	-3 418	0 1600	9 60000	3 418	37 01	1 04E+01	18 69		
6 800	-3 437	0 1633	9 80000	3 437	36 99	1 05E+01	18 74		
7 000	-3 456	0 1667	10 00000	3 456	36 97	1 05E+01	18 80		
7 200	-3 475	0 1700	10 20000	3 475	36 95	1 06E+01	18 86		
7 400	-3 494	0 1733	10 40000	3 494	36 93	1 07E+01	18 92		
7 600	-3 513	0 1767	10 60000	3 513	36 91	1 07E+01	18 97		
7 800	-3 529	0 1800	10 80000	3 529	36 90	1 08E+01	19 02		
8 000	-3 548	0 1833	11 00000	3 548	36 88	1 08E+01	19 08		
8 200	-3 567	0 1867	11 20000	3 567	36 86	1 09E+01	19 14		
8 400	-3 583	0 1900	11 40000	3 583	36 84	1 09E+01	19 19		
8 600	-3 602	0 1933	11 60000	3 602	36 82	1 10E+01	19 25		
8 800	-3 621	0 1967	11 80000	3 621	36 81	1 10E+01	19 30		
9 000	-3 636	0 2000	12 00000	3 636	36 79	1 11E+01	19 35		
9 200	-3 652	0 2033	12 20000	3 652	36 77	1 11E+01	19 40		

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
9 400	-3 671	0 2067	0 2100	12.40000	3 671	36 76	1 12E+01	19 46
9 600	-3 687	0 2133	0 2167	12.60000	3 687	36 74	1 12E+01	19 51
9 800	-3 706	0 2133	0 2500	12.80000	3 706	36 72	1 13E+01	19 56
10 000	-3 719	0 2167	0 2833	13.00000	3 719	36 71	1 13E+01	19 60
12 000	-3 861	0 2500	0 3167	15.00000	3 861	36 57	1 18E+01	20 04
14 000	-3 984	0 2833	0 3500	17.00000	3 984	36 44	1 22E+01	20 41
16 000	-4 104	0 3167	0 3833	19.00000	4 104	36 32	1 25E+01	20 78
18 000	-4 212	0 3500	0 4167	21.00000	4 212	36 21	1 28E+01	21 11
20 000	-4 313	0 3833	0 4500	23.00000	4 313	36 11	1 32E+01	21 42
22 000	-4 408	0 4167	0 4833	25.00000	4 408	36 02	1 34E+01	21 71
24 000	-4 496	0 4500	0 5167	27.00000	4 496	35 93	1 37E+01	21 97
26 000	-4 579	0 4833	0 5500	29.00000	4 579	35 85	1 40E+01	22 23
28 000	-4 667	0 5167	0 5833	31.00000	4 667	35 76	1 42E+01	22 50
30 000	-4 743	0 5500	0 6167	33.00000	4 743	35 68	1 45E+01	22 73
32 000	-4 819	0 5833	0 6500	35.00000	4 819	35 61	1 47E+01	22 96
34 000	-4 898	0 6167	0 6833	37.00000	4 898	35 53	1 49E+01	23 20
36 000	-4 971	0 6500	0 7167	39.00000	4 971	35 46	1 52E+01	23 42
38 000	-5 047	0 6833	0 7500	41.00000	5 047	35 38	1 54E+01	23 65
40 000	-5 116	0 7167	0 7833	43.00000	5 116	35 31	1 56E+01	23 86
42 000	-5 183	0 7500	0 8167	45.00000	5 183	35 24	1 58E+01	24 07
44 000	-5 246	0 7833	0 8500	47.00000	5 246	35 18	1 60E+01	24 26
46 000	-5 312	0 8167	0 8833	49.00000	5 312	35 11	1 62E+01	24 46
48 000	-5 379	0 8500	0 9167	51.00000	5 379	35 05	1 64E+01	24 67
50 000	-5 439	0 8833	0 9500	53.00000	5 439	34 99	1 66E+01	24 85
52 000	-5 496	0 9167	0 9833	55.00000	5 496	34 93	1 68E+01	25 02
54 000	-5 552	0 9500	1 0167	57.00000	5 552	34 87	1 69E+01	25 20
56 000	-5 606	0 9833	1 0500	59.00000	5 606	34 82	1 71E+01	25 36
58 000	-5 660	1 0167	1 0833	61.00000	5 660	34 77	1 73E+01	25 52
60 000	-5 714	1 0500	1 1167	63.00000	5 714	34 71	1 74E+01	25 69
62 000	-5 767	1 0833	1 1500	65.00000	5 767	34 66	1 76E+01	25 85
64 000	-5 828	1 1167	1 1833	67.00000	5 828	34 60	1 78E+01	26 04
66 000	-5 884	1 1500	1 2167	69.00000	5 884	34 54	1 79E+01	26 21
68 000	-5 938	1 1833	1 2500	71.00000	5 938	34 49	1 81E+01	26 37
70 000	-5 998	1 2167	1 2833	73.00000	5 998	34 43	1 83E+01	26 56
72 000	-6 055	1 2500	1 3167	75.00000	6 055	34 37	1 85E+01	26 73
74 000	-6 106	1 2833	1 3500	77.00000	6 106	34 32	1 86E+01	26 89
76 000	-6 159	1 3167	1 3833	79.00000	6 159	34 27	1 88E+01	27 05
78 000	-6 210	1 3500	1 4167	81.00000	6 210	34 22	1 89E+01	27 20
80 000	-6 264	1 3833	1 4500	83.00000	6 264	34 16	1 91E+01	27 37
82 000	-6 318	1 4167	1 4833	85.00000	6 318	34 11	1 93E+01	27 53
84 000	-6 365	1 4500	1 5167	87.00000	6 365	34 06	1 94E+01	27 68
86 000	-6 409	1 4833	1 5500	89.00000	6 409	34 02	1 96E+01	27 81
88 000	-6 457	1 5167	1 5833	91.00000	6 457	33 97	1 97E+01	27 96
90 000	-6 504	1 5500	1 6167	93.00000	6 504	33 92	1 98E+01	28 10
92 000	-6 551	1 5833	1 6500	95.00000	6 551	33 88	2 00E+01	28 24
94 000	-6 599	1 6167	1 6833	97.00000	6 599	33 83	2 01E+01	28 39
96 000	-6 646	1 6500	1 7167	99.00000	6 646	33 78	2 03E+01	28 53
98 000	-6 697	1 6833	1 7500	101.00000	6 697	33 73	2 04E+01	28 69
100 000	-6 741	1 7167	1 7833	103.00000	6 741	33 69	2 06E+01	28 82
120 000	-7 181	2.0500	2.3833	123.00000	7 181	33 25	2 19E+01	30 16
140 000	-7 560	2.3833	2.7167	143.00000	7 560	32 87	2 31E+01	31 32
160 000	-7 917	2.7167	3.0500	163.00000	7 917	32 51	2 42E+01	32 41
180 000	-8 255	3.0500	3.3833	183.00000	8 255	32 17	2 52E+01	33 44
200 000	-8 565	3.3833	3.7167	203.00000	8 565	31 86	2 61E+01	34 39
220 000	-8 849	3.7167	4.0500	223.00000	8 849	31 58	2 70E+01	35 25
240 000	-9 134	4.0500	4.3833	243.00000	9 134	31 29	2 79E+01	36 12
260 000	-9 412	4.3833	4.7167	263.00000	9 412	31 01	2 87E+01	36 97
280 000	-9 684	4.7167	5.0500	283.00000	9 684	30 74	2 95E+01	37 80
300 000	-9 937	5.0500	5.3833	303.00000	9 937	30 49	3 03E+01	38 57
320 000	-10 180	5.3833	5.7167	323.00000	10 180	30 25	3 11E+01	39 31
340 000	-10 414	5.7167	6.0500	343.00000	10 414	30 01	3 18E+01	40 03
360 000	-10 664	6.0500	6.3833	363.00000	10 664	29 76	3 25E+01	40 79
380 000	-10 885	6.3833	6.7167	383.00000	10 885	29 54	3 32E+01	41 46
400 000	-11 096	6.7167	7.0500	403.00000	11 096	29 33	3 38E+01	42 11
420 000	-11 343	7.0500	7.3833	423.00000	11 343	29 08	3 46E+01	42 86
440 000	-11 776	7.3833	7.7167	443.00000	11 776	28 65	3 59E+01	44 18
460 000	-12 218	7.7167	8.0500	463.00000	12 218	28 21	3 73E+01	45 53
480 000	-12 657	8.0500	8.3833	483.00000	12 657	27 77	3 86E+01	46 87
500 000	-13 081	8.3833	8.7167	503.00000	13 081	27 35	3 99E+01	48 16
520 000	-13 485	8.7167	9.0500	523.00000	13 485	26 94	4 11E+01	49 40
540 000	-13 871	9.0500	9.3833	543.00000	13 871	26 56	4 23E+01	50 57
560 000	-14 247	9.3833	9.7167	563.00000	14 247	26 18	4 35E+01	51 72

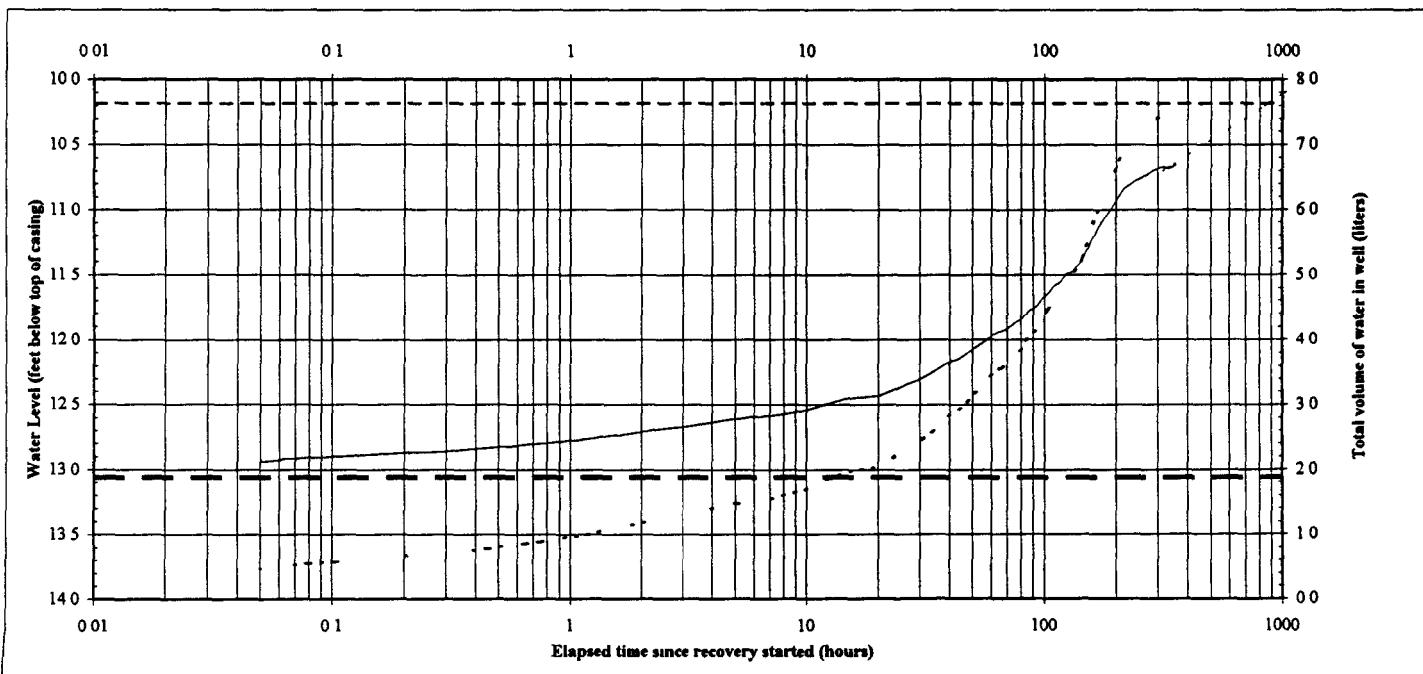
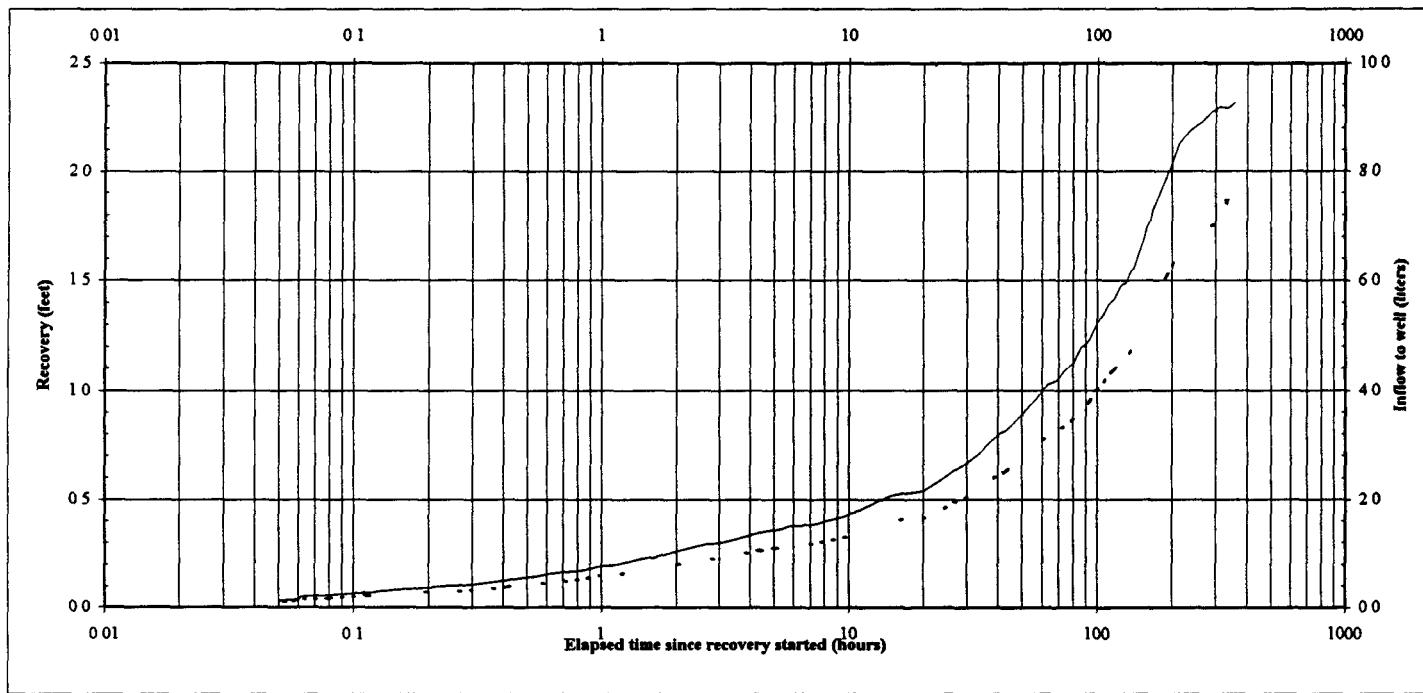
Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)			
580 000	-14 607	9 7167	583 00000	14 607	25 82		4 46E+01	52 82
600 000	-14 954	10 0500	603 00000	14 954	25 47		4 56E+01	53 88
620 000	-15 286	10 3833	623 00000	15 286	25 14		4 66E+01	54 89
640 000	-15 608	10 7167	643 00000	15 608	24 82		4 76E+01	55 87
660 000	-15 921	11 0500	663 00000	15 921	24 51		4 79E+01	56 11
680 000	-16 218	11 3833	683 00000	16 218	24 21		4 80E+01	56 29
700 000	-16.502	11 7167	703 00000	16 502	23 92		4 82E+01	56 47
720 000	-16 780	12.0500	723 00000	16 780	23 65		4 84E+01	56 64
740 000	-17 045	12.3833	743 00000	17 045	23 38		4 85E+01	56 80
760 000	-17 301	12.7167	763 00000	17 301	23 13		4 87E+01	56 96
780 000	-17 544	13 0500	783 00000	17 544	22 88		4 89E+01	57 11
800 000	-17 778	13 3833	803 00000	17 778	22.65		4 90E+01	57 26
820 000	-18 002	13 7167	823 00000	18 002	22.42		4 91E+01	57 39
840 000	-18 220	14 0500	843 00000	18 220	22.21		4 93E+01	57 53
860 000	-18 428	14 3833	863 00000	18 428	22 00		4 94E+01	57 66
880 000	-18 631	14 7167	883 00000	18 631	21 80		4 95E+01	57 78
900 000	-18 820	15 0500	903 00000	18 820	21 61		4 96E+01	57 90
920 000	-19 006	15 3833	923 00000	19 006	21 42		4 98E+01	58 02
940 000	-19 183	15 7167	943 00000	19 183	21 24		4 99E+01	58 12
960 000	-19 351	16 0500	963 00000	19 351	21 08		5 00E+01	58 23
980 000	-19 512	16 3833	983 00000	19 512	20 91		5 01E+01	58 33
1000 000	-19 666	16 7167	1003 00000	19 666	20 76		5 02E+01	58 42

Well No. 39691
Measured recovery after sampling

Date: 22-Aug-94
3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume



Well No.

39691

Date Sampled

3rd quarter
22-Aug-94

Final bail time	14:32	Delay	3 00	Minutes
Set transducer time	14:35			
Static water level (pre-sampling)	10.2	feet below top of casing		
Final water level (post-recovery)	10.7	feet below top of casing		
Last recorded water level	-2.3	feet below transducer		
Transducer reference depth	13.0	feet below top of casing		
Bottom of well	13.1	feet below top of casing		
First recorded water level	9.0	feet below transducer		
First recorded water level	12.9	feet below top of casing		
Water column remaining in casing after purging	0.1	feet		
Volume remaining in casing after purging	0.4	liters		
Well diameter	7.0	inches	0.583	feet
Well radius	3.5	inches	0.292	feet
Casing diameter	2.1	inches	0.173	feet
Casing radius	1.0	inches	0.086	feet
Effective well radius	2.2	inches	0.186	feet
Top of sandpack	8.5	feet below top of casing		
			0.66 liters/foot	
			3.08 liters/foot	

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-0 031	0 0500	3 00000	0 031	12.94	0.48
0 003	-0 034	0 0501	3 00330	0 034	12.93	1.05E-01
0 007	-0 031	0 0501	3 00660	0 031	12.94	9.55E-02
0 010	-0 034	0 0502	3 01000	0 034	12.93	1.05E-01
0 013	-0 034	0 0502	3 01330	0 034	12.93	1.05E-01
0 017	-0 031	0 0503	3 01660	0 031	12.94	9.55E-02
0 020	-0 034	0 0503	3 02000	0 034	12.93	1.05E-01
0 023	-0 034	0 0504	3 02330	0 034	12.93	1.05E-01
0 027	-0 034	0 0504	3 02660	0 034	12.93	1.05E-01
0 030	-0 034	0 0505	3 03000	0 034	12.93	1.05E-01
0 033	-0 034	0 0506	3 03330	0 034	12.93	1.05E-01
0 037	-0 034	0 0506	3 03660	0 034	12.93	1.05E-01
0 040	-0 034	0 0507	3 04000	0 034	12.93	1.05E-01
0 043	-0 034	0 0507	3 04330	0 034	12.93	1.05E-01
0 047	-0 034	0 0508	3 04660	0 034	12.93	1.05E-01
0 050	-0 034	0 0508	3 05000	0 034	12.93	1.05E-01
0 053	-0 034	0 0509	3 05330	0 034	12.93	1.05E-01
0 057	-0 034	0 0509	3 05660	0 034	12.93	1.05E-01
0 060	-0 034	0 0510	3 06000	0 034	12.93	1.05E-01
0 063	-0 034	0 0511	3 06330	0 034	12.93	1.05E-01
0 067	-0 031	0 0511	3 06660	0 031	12.94	9.55E-02
0 070	-0 034	0 0512	3 07000	0 034	12.93	1.05E-01
0 073	-0 034	0 0512	3 07330	0 034	12.93	1.05E-01
0 077	-0 034	0 0513	3 07660	0 034	12.93	1.05E-01
0 080	-0 031	0 0513	3 08000	0 031	12.94	9.55E-02
0 083	-0 031	0 0514	3 08330	0 031	12.94	9.55E-02
0 087	-0 034	0 0514	3 08660	0 034	12.93	1.05E-01
0 090	-0 034	0 0515	3 09000	0 034	12.93	1.05E-01
0 093	-0 034	0 0516	3 09330	0 034	12.93	1.05E-01
0 097	-0 031	0 0516	3 09660	0 031	12.94	9.55E-02
0 100	-0 034	0 0517	3 10000	0 034	12.93	1.05E-01
0 103	-0 034	0 0517	3 10330	0 034	12.93	1.05E-01
0 107	-0 031	0 0518	3 10660	0 031	12.94	9.55E-02
0 110	-0 031	0 0518	3 11000	0 031	12.94	9.55E-02
0 113	-0 034	0 0519	3 11330	0 034	12.93	1.05E-01
0 117	-0 034	0 0519	3 11660	0 034	12.93	1.05E-01
0 120	-0 034	0 0520	3 12000	0 034	12.93	1.05E-01
0 123	-0 034	0 0521	3 12330	0 034	12.93	1.05E-01
0 127	-0 034	0 0521	3 12660	0 034	12.93	1.05E-01

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 130	-0 034	0 0522	3 13000	0 034	12 93	1 05E-01	0 48		
0 133	-0 034	0 0522	3 1330	0 034	12 93	1 05E-01	0 48		
0 137	-0 034	0 0523	3 13660	0 034	12 93	1 05E-01	0 48		
0 140	-0 034	0 0523	3 14000	0 034	12 93	1 05E-01	0 48		
0 143	-0 034	0 0524	3 14330	0 034	12 93	1 05E-01	0 48		
0 147	-0 034	0 0524	3 14660	0 034	12 93	1 05E-01	0 48		
0 150	-0 034	0 0525	3 15000	0 034	12 93	1 05E-01	0 48		
0 153	-0 034	0 0526	3 15330	0 034	12 93	1 05E-01	0 48		
0 157	-0 034	0 0526	3 15660	0 034	12 93	1 05E-01	0 48		
0 160	-0 034	0 0527	3 16000	0 034	12 93	1 05E-01	0 48		
0 163	-0 034	0 0527	3 16330	0 034	12 93	1 05E-01	0 48		
0 167	-0 034	0 0528	3 16660	0 034	12 93	1 05E-01	0 48		
0 170	-0 034	0 0528	3 17000	0 034	12 93	1 05E-01	0 48		
0 173	-0 031	0 0529	3 17330	0 031	12 94	9 55E-02	0 47		
0 177	-0 034	0 0529	3 17660	0 034	12 93	1 05E-01	0 48		
0 180	-0 031	0 0530	3 18000	0 031	12 94	9 55E-02	0 47		
0 183	-0 031	0 0531	3 18330	0 031	12 94	9 55E-02	0 47		
0 187	-0 031	0 0531	3 18660	0 031	12 94	9 55E-02	0 47		
0 190	-0 031	0 0532	3 19000	0 031	12 94	9 55E-02	0 47		
0 193	-0 031	0 0532	3 19330	0 031	12 94	9 55E-02	0 47		
0 197	-0 034	0 0533	3 19660	0 034	12 93	1 05E-01	0 48		
0 200	-0 034	0 0533	3 20000	0 034	12 93	1 05E-01	0 48		
0 203	-0 034	0 0534	3 20330	0 034	12 93	1 05E-01	0 48		
0 207	-0 034	0 0534	3 20660	0 034	12 93	1 05E-01	0 48		
0 210	-0 034	0 0535	3 21000	0 034	12 93	1 05E-01	0 48		
0 213	-0 034	0 0536	3 21330	0 034	12 93	1 05E-01	0 48		
0 217	-0 034	0 0536	3 21660	0 034	12 93	1 05E-01	0 48		
0 220	-0 034	0 0537	3 22000	0 034	12 93	1 05E-01	0 48		
0 223	-0 034	0 0537	3 22330	0 034	12 93	1 05E-01	0 48		
0 227	-0 034	0 0538	3 22660	0 034	12 93	1 05E-01	0 48		
0 230	-0 034	0 0538	3 23000	0 034	12 93	1 05E-01	0 48		
0 233	-0 034	0 0539	3 23330	0 034	12 93	1 05E-01	0 48		
0 237	-0 034	0 0539	3 23660	0 034	12 93	1 05E-01	0 48		
0 240	-0 034	0 0540	3 24000	0 034	12 93	1 05E-01	0 48		
0 243	-0 038	0 0541	3 24330	0 038	12 93	1 17E-01	0 50		
0 247	-0 038	0 0541	3 24660	0 038	12 93	1 17E-01	0 50		
0 250	-0 038	0 0542	3 25000	0 038	12 93	1 17E-01	0 50		
0 253	-0 038	0 0542	3 25330	0 038	12 93	1 17E-01	0 50		
0 257	-0 038	0 0543	3 25660	0 038	12 93	1 17E-01	0 50		
0 260	-0 038	0 0543	3 26000	0 038	12 93	1 17E-01	0 50		
0 263	-0 038	0 0544	3 26330	0 038	12 93	1 17E-01	0 50		
0 267	-0 038	0 0544	3 26660	0 038	12 93	1 17E-01	0 50		
0 270	-0 038	0 0545	3 27000	0 038	12 93	1 17E-01	0 50		
0 273	-0 038	0 0546	3 27330	0 038	12 93	1 17E-01	0 50		
0 277	-0 038	0 0546	3 27660	0 038	12 93	1 17E-01	0 50		
0 280	-0 038	0 0547	3 28000	0 038	12 93	1 17E-01	0 50		
0 283	-0 038	0 0547	3 28330	0 038	12 93	1 17E-01	0 50		
0 287	-0 038	0 0548	3 28660	0 038	12 93	1 17E-01	0 50		
0 290	-0 038	0 0548	3 29000	0 038	12 93	1 17E-01	0 50		
0 293	-0 038	0 0549	3 29330	0 038	12 93	1 17E-01	0 50		
0 297	-0 038	0 0549	3 29660	0 038	12 93	1 17E-01	0 50		
0 300	-0 038	0 0550	3 30000	0 038	12 93	1 17E-01	0 50		
0 303	-0 038	0 0551	3 30330	0 038	12 93	1 17E-01	0 50		
0 307	-0 038	0 0551	3 30660	0 038	12 93	1 17E-01	0 50		
0 310	-0 038	0 0552	3 31000	0 038	12 93	1 17E-01	0 50		
0 313	-0 038	0 0552	3 31330	0 038	12 93	1 17E-01	0 50		
0 317	-0 038	0 0553	3 31660	0 038	12 93	1 17E-01	0 50		
0 320	-0 038	0 0553	3 32000	0 038	12 93	1 17E-01	0 50		
0 323	-0 038	0 0554	3 32330	0 038	12 93	1 17E-01	0 50		
0 327	-0 038	0 0554	3 32660	0 038	12 93	1 17E-01	0 50		
0 330	-0 038	0 0555	3 33000	0 038	12 93	1 17E-01	0 50		
0 333	-0 038	0 0556	3 33330	0 038	12 93	1 17E-01	0 50		
0 350	-0 034	0 0558	3 35000	0 034	12 93	1 05E-01	0 48		
0 367	-0 038	0 0561	3 36660	0 038	12 93	1 17E-01	0 50		
0 383	-0 038	0 0564	3 38330	0 038	12 93	1 17E-01	0 50		
0 400	-0 038	0 0567	3 40000	0 038	12 93	1 17E-01	0 50		
0 417	-0 038	0 0569	3 41660	0 038	12 93	1 17E-01	0 50		
0 433	-0 038	0 0572	3 43330	0 038	12 93	1 17E-01	0 50		
0 450	-0 038	0 0575	3 45000	0 038	12 93	1 17E-01	0 50		
0 467	-0 038	0 0578	3 46660	0 038	12 93	1 17E-01	0 50		
0 483	-0 038	0 0581	3 48330	0 038	12 93	1 17E-01	0 50		
0 500	-0 041	0 0583	3 50000	0 041	12 93	1 26E-01	0 50		
0 517	-0 041	0 0586	3 51660	0 041	12 93	1 26E-01	0 50		

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
0 533	-0 041	0 0589	3 53330	0 041	12 93		1 26E-01	0 50
0 550	-0 041	0 0592	3 55000	0 041	12 93		1 26E-01	0 50
0 567	-0 041	0 0594	3 56660	0 041	12 93		1 26E-01	0 50
0 583	-0 038	0 0597	3 58330	0 038	12 93		1 17E-01	0 50
0 600	-0 041	0 0600	3 60000	0 041	12 93		1 26E-01	0 50
0 617	-0 041	0 0603	3 61660	0 041	12 93		1 26E-01	0 50
0 633	-0 041	0 0606	3 63330	0 041	12 93		1 26E-01	0 50
0 650	-0 044	0 0608	3 65000	0 044	12 92		1 35E-01	0 51
0 667	-0 047	0 0611	3 66660	0 047	12 92		1 45E-01	0 52
0 683	-0 047	0 0614	3 68330	0 047	12 92		1 45E-01	0 52
0 700	-0 047	0 0617	3 70000	0 047	12 92		1 45E-01	0 52
0 717	-0 050	0 0619	3 71660	0 050	12 92		1 54E-01	0 53
0 733	-0 053	0 0622	3 73330	0 053	12 92		1 63E-01	0 54
0 750	-0 053	0 0625	3 75000	0 053	12 92		1 63E-01	0 54
0 767	-0 050	0 0628	3 76660	0 050	12 92		1 54E-01	0 53
0 783	-0 050	0 0631	3 78330	0 050	12 92		1 54E-01	0 53
0 800	-0 050	0 0633	3 80000	0 050	12 92		1 54E-01	0 53
0 817	-0 050	0 0636	3 81660	0 050	12 92		1 54E-01	0 53
0 833	-0 050	0 0639	3 83330	0 050	12 92		1 54E-01	0 53
0 850	-0 053	0 0642	3 85000	0 053	12 92		1 63E-01	0 54
0 867	-0 053	0 0644	3 86660	0 053	12 92		1 63E-01	0 54
0 883	-0 053	0 0647	3 88330	0 053	12 92		1 63E-01	0 54
0 900	-0 053	0 0650	3 90000	0 053	12 92		1 63E-01	0 54
0 917	-0 053	0 0653	3 91660	0 053	12 92		1 63E-01	0 54
0 933	-0 053	0 0656	3 93330	0 053	12 92		1 63E-01	0 54
0 950	-0 053	0 0658	3 95000	0 053	12 92		1 63E-01	0 54
0 967	-0 053	0 0661	3 96660	0 053	12 92		1 63E-01	0 54
0 983	-0 053	0 0664	3 98330	0 053	12 92		1 63E-01	0 54
1 000	-0 053	0 0667	4 00000	0 053	12 92		1 63E-01	0 54
1 200	-0 053	0 0700	4 20000	0 053	12 92		1 63E-01	0 54
1 400	-0 057	0 0733	4 40000	0 057	12 91		1 76E-01	0 55
1 600	-0 057	0 0767	4 60000	0 057	12 91		1 76E-01	0 55
1 800	-0 060	0 0800	4 80000	0 060	12 91		1 85E-01	0 56
2 000	-0 060	0 0833	5 00000	0 060	12 91		1 85E-01	0 56
2 200	-0 063	0 0867	5 20000	0 063	12 91		1 94E-01	0 57
2 400	-0 063	0 0900	5 40000	0 063	12 91		1 94E-01	0 57
2 600	-0 063	0 0933	5 60000	0 063	12 91		1 94E-01	0 57
2 800	-0 066	0 0967	5 80000	0 066	12 90		2 03E-01	0 58
3 000	-0 066	0 1000	6 00000	0 066	12 90		2 03E-01	0 58
3 200	-0 069	0 1033	6 20000	0 069	12 90		2 12E-01	0 59
3 400	-0 066	0 1067	6 40000	0 066	12 90		2 03E-01	0 58
3 600	-0 072	0 1100	6 60000	0 072	12 90		2 22E-01	0 60
3 800	-0 072	0 1133	6 80000	0 072	12 90		2 22E-01	0 60
4 000	-0 072	0 1167	7 00000	0 072	12 90		2 22E-01	0 60
4 200	-0 072	0 1200	7 20000	0 072	12 90		2 22E-01	0 60
4 400	-0 076	0 1233	7 40000	0 076	12 89		2 34E-01	0 61
4 600	-0 076	0 1267	7 60000	0 076	12 89		2 34E-01	0 61
4 800	-0 079	0 1300	7 80000	0 079	12 89		2 43E-01	0 62
5 000	-0 079	0 1333	8 00000	0 079	12 89		2 43E-01	0 62
5 200	-0 079	0 1367	8 20000	0 079	12 89		2 43E-01	0 62
5 400	-0 079	0 1400	8 40000	0 079	12 89		2 43E-01	0 62
5 600	-0 082	0 1433	8 60000	0 082	12 89		2 52E-01	0 63
5 800	-0 085	0 1467	8 80000	0 085	12 88		2 62E-01	0 64
6 000	-0 082	0 1500	9 00000	0 082	12 89		2 52E-01	0 63
6 200	-0 085	0 1533	9 20000	0 085	12 88		2 62E-01	0 64
6 400	-0 085	0 1567	9 40000	0 085	12 88		2 62E-01	0 64
6 600	-0 088	0 1600	9 60000	0 088	12 88		2 71E-01	0 65
6 800	-0 088	0 1633	9 80000	0 088	12 88		2 71E-01	0 65
7 000	-0 085	0 1667	10 00000	0 085	12 88		2 62E-01	0 64
7 200	-0 088	0 1700	10 20000	0 088	12 88		2 71E-01	0 65
7 400	-0 088	0 1733	10 40000	0 088	12 88		2 71E-01	0 65
7 600	-0 088	0 1767	10 60000	0 088	12 88		2 71E-01	0 65
7 800	-0 091	0 1800	10 80000	0 091	12 88		2 80E-01	0 66
8 000	-0 091	0 1833	11 00000	0 091	12 88		2 80E-01	0 66
8 200	-0 095	0 1867	11 20000	0 095	12 87		2 93E-01	0 67
8 400	-0 095	0 1900	11 40000	0 095	12 87		2 93E-01	0 67
8 600	-0 095	0 1933	11 60000	0 095	12 87		2 93E-01	0 67
8 800	-0 095	0 1967	11 80000	0 095	12 87		2 93E-01	0 67
9 000	-0 095	0 2000	12 00000	0 095	12 87		2 93E-01	0 67
9 200	-0 095	0 2033	12 20000	0 095	12 87		2 93E-01	0 67
9 400	-0 095	0 2067	12 40000	0 095	12 87		2 93E-01	0 67
9 600	-0 098	0 2100	12 60000	0 098	12 87		3 02E-01	0 68
9 800	-0 098	0 2133	12 80000	0 098	12 87		3 02E-01	0 68

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
	10 000	-0 098	0 2167	13 00000	0 098	12 87	3 02E-01	0 68
	12 000	-0 101	0 2500	15 00000	0 101	12 87	3 11E-01	0 69
	14 000	-0 104	0 2833	17 00000	0 104	12 86	3 20E-01	0 70
	16 000	-0 110	0 3167	19 00000	0 110	12 86	3 39E-01	0 72
	18 000	-0 117	0 3500	21 00000	0 117	12 85	3 60E-01	0 74
	20 000	-0 123	0 3833	23 00000	0 123	12 85	3 79E-01	0 76
	22 000	-0 129	0 4167	25 00000	0 129	12 84	3 97E-01	0 78
	24 000	-0 133	0 4500	27 00000	0 133	12 84	4 10E-01	0 79
	26 000	-0 139	0 4833	29 00000	0 139	12 83	4 28E-01	0 81
	28 000	-0 142	0 5167	31 00000	0 142	12 83	4 37E-01	0 82
	30 000	-0 145	0 5500	33 00000	0 145	12 82	4 46E-01	0 83
	32 000	-0 149	0 5833	35 00000	0 149	12 82	4 59E-01	0 84
	34 000	-0 155	0 6167	37 00000	0 155	12 81	4 77E-01	0 86
	36 000	-0 158	0 6500	39 00000	0 158	12 81	4 87E-01	0 87
	38 000	-0 161	0 6833	41 00000	0 161	12 81	4 96E-01	0 87
	40 000	-0 164	0 7167	43 00000	0 164	12 80	5 05E-01	0 88
	42 000	-0 168	0 7500	45 00000	0 168	12 80	5 17E-01	0 90
	44 000	-0 168	0 7833	47 00000	0 168	12 80	5 17E-01	0 90
	46 000	-0 171	0 8167	49 00000	0 171	12 80	5 27E-01	0 91
	48 000	-0 174	0 8500	51 00000	0 174	12 79	5 36E-01	0 91
	50 000	-0 180	0 8833	53 00000	0 180	12 79	5 54E-01	0 93
	52 000	-0 183	0 9167	55 00000	0 183	12 79	5 63E-01	0 94
	54 000	-0 187	0 9500	57 00000	0 187	12 78	5 76E-01	0 95
	56 000	-0 190	0 9833	59 00000	0 190	12 78	5 85E-01	0 96
	58 000	-0 193	1 0167	61 00000	0 193	12 78	5 94E-01	0 97
	60 000	-0 193	1 0500	63 00000	0 193	12 78	5 94E-01	0 97
	62 000	-0 193	1 0833	65 00000	0 193	12 78	5 94E-01	0 97
	64 000	-0 199	1 1167	67 00000	0 199	12 77	6 13E-01	0 99
	66 000	-0 199	1 1500	69 00000	0 199	12 77	6 13E-01	0 99
	68 000	-0 202	1 1833	71 00000	0 202	12 77	6 22E-01	1 00
	70 000	-0 206	1 2167	73 00000	0 206	12 76	6 34E-01	1 01
	72 000	-0 209	1 2500	75 00000	0 209	12 76	6 44E-01	1 02
	74 000	-0 209	1 2833	77 00000	0 209	12 76	6 44E-01	1 02
	76 000	-0 215	1 3167	79 00000	0 215	12 75	6 62E-01	1 04
	78 000	-0 218	1 3500	81 00000	0 218	12 75	6 71E-01	1 05
	80 000	-0 221	1 3833	83 00000	0 221	12 75	6 81E-01	1 06
	82 000	-0 225	1 4167	85 00000	0 225	12 74	6 93E-01	1 07
	84 000	-0 228	1 4500	87 00000	0 228	12 74	7 02E-01	1 08
	86 000	-0 228	1 4833	89 00000	0 228	12 74	7 02E-01	1 08
	88 000	-0 231	1 5167	91 00000	0 231	12 74	7 11E-01	1 09
	90 000	-0 234	1 5500	93 00000	0 234	12 73	7 21E-01	1 10
	92 000	-0 231	1 5833	95 00000	0 231	12 74	7 11E-01	1 09
	94 000	-0 231	1 6167	97 00000	0 231	12 74	7 11E-01	1 09
	96 000	-0 234	1 6500	99 00000	0 234	12 73	7 21E-01	1 10
	98 000	-0 237	1 6833	101 00000	0 237	12 73	7 30E-01	1 11
	100 000	-0 240	1 7167	103 00000	0 240	12 73	7 39E-01	1 12
	120 000	-0 263	2 0500	123 00000	0 263	12 71	8 10E-01	1 19
	140 000	-0 282	2 3833	143 00000	0 282	12 69	8 68E-01	1 25
	160 000	-0 294	2 7167	163 00000	0 294	12 67	9 05E-01	1 28
	180 000	-0 301	3 0500	183 00000	0 301	12 67	9 27E-01	1 31
	200 000	-0 313	3 3833	203 00000	0 313	12 66	9 64E-01	1 34
	220 000	-0 323	3 7167	223 00000	0 323	12 65	9 95E-01	1 37
	240 000	-0 336	4 0500	243 00000	0 336	12 63	1 03E+00	1 41
	260 000	-0 345	4 3833	263 00000	0 345	12 62	1 06E+00	1 44
	280 000	-0 355	4 7167	283 00000	0 355	12 61	1 09E+00	1 47
	300 000	-0 358	5 0500	303 00000	0 358	12 61	1 10E+00	1 48
	320 000	-0 364	5 3833	323 00000	0 364	12 60	1 12E+00	1 50
	340 000	-0 374	5 7167	343 00000	0 374	12 59	1 15E+00	1 53
	360 000	-0 377	6 0500	363 00000	0 377	12 59	1 16E+00	1 54
	380 000	-0 374	6 3833	383 00000	0 374	12 59	1 15E+00	1 53
	400 000	-0 383	6 7167	403 00000	0 383	12 59	1 18E+00	1 56
	420 000	-0 383	7 0500	423 00000	0 383	12 59	1 18E+00	1 56
	440 000	-0 386	7 3833	443 00000	0 386	12 58	1 19E+00	1 57
	460 000	-0 393	7 7167	463 00000	0 393	12 58	1 21E+00	1 59
	480 000	-0 399	8 0500	483 00000	0 399	12 57	1 23E+00	1 61
	500 000	-0 402	8 3833	503 00000	0 402	12 57	1 24E+00	1 62
	520 000	-0 408	8 7167	523 00000	0 408	12 56	1 26E+00	1 64
	540 000	-0 415	9 0500	543 00000	0 415	12 55	1 28E+00	1 66
	560 000	-0 418	9 3833	563 00000	0 418	12 55	1 29E+00	1 67
	580 000	-0 424	9 7167	583 00000	0 424	12 54	1 31E+00	1 68
	600 000	-0 431	10 0500	603 00000	0 431	12 54	1 33E+00	1 71
	620 000	-0 437	10 3833	623 00000	0 437	12 53	1 35E+00	1 72
	640 000	-0 443	10 7167	643 00000	0 443	12 53	1 36E+00	1 74

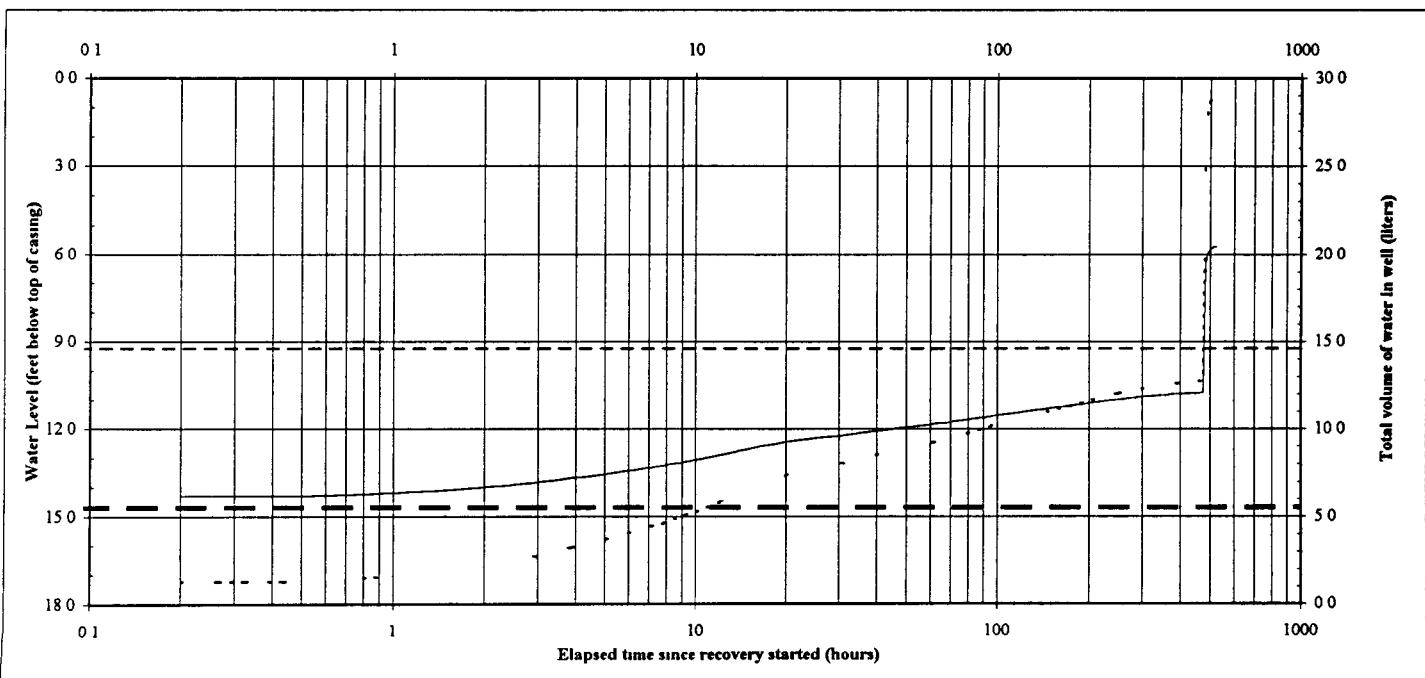
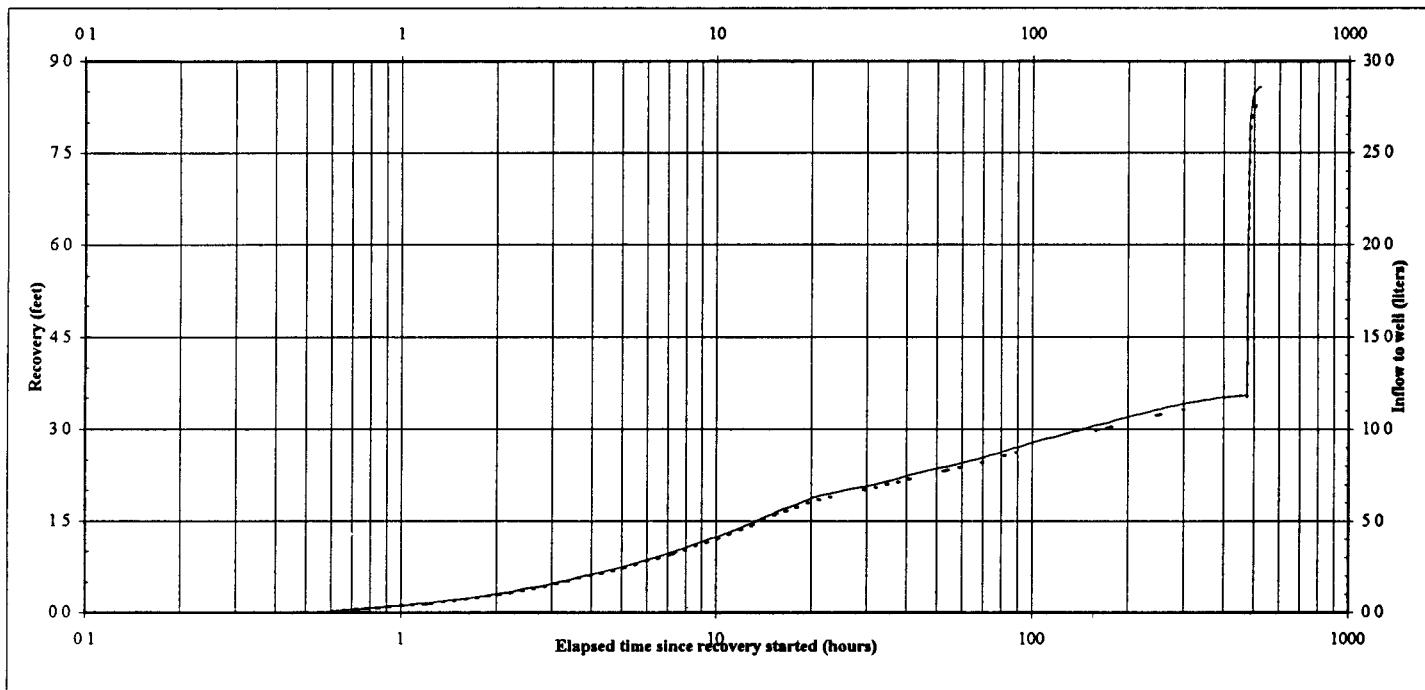
Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
660 000	-0 450	11 0500	663 00000	0 450	12 52		1 39E+00	1 76
680 000	-0 459	11 3833	683 00000	0 459	12 51		1 41E+00	1 79
700 000	-0 466	11 7167	703 00000	0 466	12 50		1 43E+00	1 81
720 000	-0 472	12 0500	723 00000	0 472	12 50		1 45E+00	1 83
740 000	-0 478	12 3833	743 00000	0 478	12 49		1 47E+00	1 85
760 000	-0 485	12 7167	763 00000	0 485	12 48		1 49E+00	1 87
780 000	-0 491	13 0500	783 00000	0 491	12 48		1 51E+00	1 89
800 000	-0 497	13 3833	803 00000	0 497	12 47		1 53E+00	1 91
820 000	-0 500	13 7167	823 00000	0 500	12 47		1 54E+00	1 92
840 000	-0 507	14 0500	843 00000	0 507	12 46		1 56E+00	1 94
860 000	-0 510	14 3833	863 00000	0 510	12 46		1 57E+00	1 95
880 000	-0 516	14 7167	883 00000	0 516	12 45		1 59E+00	1 97
900 000	-0 519	15 0500	903 00000	0 519	12 45		1 60E+00	1 98
920 000	-0 523	15 3833	923 00000	0 523	12 45		1 61E+00	1 99
940 000	-0 523	15 7167	943 00000	0 523	12 45		1 61E+00	1 99
960 000	-0 526	16 0500	963 00000	0 526	12 44		1 62E+00	2 00
980 000	-0 529	16 3833	983 00000	0 529	12 44		1 63E+00	2 01
1000 000	-0 529	16 7167	1003 00000	0 529	12 44		1 63E+00	2 01
1200 000	-0 538	20 0500	1203 00000	0 538	12 43		1 66E+00	2 04
1400 000	-0 586	23 3833	1403 00000	0 586	12 38		1 80E+00	2 18
1600 000	-0 634	26 7167	1603 00000	0 634	12 33		1 95E+00	2 33
1800 000	-0 668	30 0500	1803 00000	0 668	12 30		2 06E+00	2 44
2000 000	-0 707	33 3833	2003 00000	0 707	12 26		2 18E+00	2 56
2200 000	-0 757	36 7167	2203 00000	0 757	12 21		2 33E+00	2 71
2400 000	-0 798	40 0500	2403 00000	0 798	12 17		2 46E+00	2 84
2600 000	-0 821	43 3833	2603 00000	0 821	12 15		2 53E+00	2 91
2800 000	-0 856	46 7167	2803 00000	0 856	12 11		2 64E+00	3 01
3000 000	-0 894	50 0500	3003 00000	0 894	12 07		2 75E+00	3 13
3200 000	-0 932	53 3833	3203 00000	0 932	12 04		2 87E+00	3 25
3400 000	-0 960	56 7167	3403 00000	0 960	12 01		2 96E+00	3 33
3600 000	-0 995	60 0500	3603 00000	0 995	11 97		3 06E+00	3 44
3800 000	-1 027	63 3833	3803 00000	1 027	11 94		3 16E+00	3 54
4000 000	-1 036	66 7167	4003 00000	1 036	11 93		3 19E+00	3 57
4200 000	-1 052	70 0500	4203 00000	1 052	11 92		3 24E+00	3 62
4400 000	-1 084	73 3833	4403 00000	1 084	11 88		3 34E+00	3 72
4600 000	-1 106	76 7167	4603 00000	1 106	11 86		3 41E+00	3 78
4800 000	-1 125	80 0500	4803 00000	1 125	11 84		3 46E+00	3 84
5000 000	-1 166	83 3833	5003 00000	1 166	11 80		3 59E+00	3 97
5200 000	-1 198	86 7167	5203 00000	1 198	11 77		3 69E+00	4 07
5400 000	-1 208	90 0500	5403 00000	1 208	11 76		3 72E+00	4 10
5600 000	-1 230	93 3833	5603 00000	1 230	11 74		3 79E+00	4 17
5800 000	-1 268	96 7167	5803 00000	1 268	11 70		3 90E+00	4 28
6000 000	-1 303	100 0500	6003 00000	1 303	11 67		4 01E+00	4 39
6200 000	-1 325	103 3833	6203 00000	1 325	11 64		4 08E+00	4 46
6400 000	-1 353	106 7167	6403 00000	1 353	11 62		4 17E+00	4 54
6600 000	-1 385	110 0500	6603 00000	1 385	11 58		4 26E+00	4 64
6800 000	-1 401	113 3833	6803 00000	1 401	11 57		4 31E+00	4 69
7000 000	-1 414	116 7167	7003 00000	1 414	11 55		4 35E+00	4 73
7200 000	-1 442	120 0500	7203 00000	1 442	11 53		4 44E+00	4 82
7400 000	-1 471	123 3833	7403 00000	1 471	11 50		4 53E+00	4 91
7600 000	-1 483	126 7167	7603 00000	1 483	11 49		4 57E+00	4 95
7800 000	-1 487	130 0500	7803 00000	1 487	11 48		4 58E+00	4 96
8000 000	-1 512	133 3833	8003 00000	1 512	11 46		4 66E+00	5 03
8200 000	-1 541	136 7167	8203 00000	1 541	11 43		4 75E+00	5 12
8400 000	-1 556	140 0500	8403 00000	1 556	11 41		4 79E+00	5 17
8600 000	1 585	143 3833	8603 00000	1 585	11 38		4 88E+00	5 26
8800 000	-1 620	146 7167	8803 00000	1 620	11 35		4 99E+00	5 37
9000 000	-1 652	150 0500	9003 00000	1 652	11 32		5 09E+00	5 47
9200 000	-1 683	153 3833	9203 00000	1 683	11 29		5 18E+00	5 56
9400 000	-1 728	156 7167	9403 00000	1 728	11 24		5 32E+00	5 70
9600 000	1 753	160 0500	9603 00000	1 753	11 22		5 40E+00	5 78
9800 000	-1 775	163 3833	9803 00000	1 775	11 19		5 47E+00	5 84
10000 000	-1 816	166 7167	10003 00000	1 816	11 15		5 59E+00	5 97
11440 000	-1 975	190 7167	11443 00000	1 975	10 99		6 08E+00	6 46
12880 000	2 130	214 7167	12883 00000	2 130	10 84		6 56E+00	6 94
14320 000	-2 188	238 7167	14323 00000	2 188	10 78		6 74E+00	7 12
15760 000	-2 226	262 7167	15763 00000	2 226	10 74		6 85E+00	7 23
17200 000	-2 273	286 7167	17203 00000	2 273	10 70		7 00E+00	7 38
18640 000	-2 295	310 7167	18643 00000	2 295	10 67		7 07E+00	7 45
20080 000	-2 289	334 7167	20083 00000	2 289	10 68		7 05E+00	7 43
21520 000	-2 318	358 7167	21523 00000	2 318	10 65		7 14E+00	7 52

Well No. 41091
Measured recovery after sampling

Date: 18-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume



Well No

41091

Date Sampled

3rd quarter

18-Aug-94

Final bail time	14 43	Delay	12 00	Minutes
Set transducer time	15 00			
Static water level (pre-sampling)	9.2	feet below top of casing		
Final water level (post recovery)	5.7	feet below top of casing		
Last recorded water level	-8.6	feet below transducer		
Transducer reference depth	14.3	feet below top of casing		
Bottom of well	14.7	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	14.3	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	1.3	liters		
Well diameter	7.3	inches	0.604	feet
Well radius	3.6	inches	0.302	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.3	inches	0.191	feet
Top of sandpack	5.8	feet below top of casing		

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
0 000	0 000	0 2000	12 00000	0 000	14 30	0 00E+00	1 26
0 003	0 000	0 2001	12 00330	0 000	14 30	0 00E+00	1 26
0 007	0 000	0 2001	12 00660	0 000	14 30	0 00E+00	1 26
0 010	0 000	0 2002	12 00990	0 000	14 30	0 00E+00	1 26
0 013	0 000	0 2002	12 01330	0 000	14 30	0 00E+00	1 26
0 017	0 000	0 2003	12.01660	0 000	14 30	0 00E+00	1 26
0 020	0 000	0 2003	12.02000	0 000	14 30	0 00E+00	1 26
0 023	0 000	0 2004	12 02330	0 000	14 30	0 00E+00	1 26
0 027	0 000	0 2004	12 02660	0 000	14 30	0 00E+00	1 26
0 030	0 000	0 2005	12 03000	0 000	14 30	0 00E+00	1 26
0 033	0 000	0 2006	12 03330	0 000	14 30	0 00E+00	1 26
0 050	0 000	0 2008	12 05000	0 000	14 30	0 00E+00	1 26
0 067	0 000	0 2011	12 06660	0 000	14 30	0 00E+00	1 26
0 083	0 000	0 2014	12 08330	0 000	14 30	0 00E+00	1 26
0 100	0 000	0 2017	12 10000	0 000	14 30	0 00E+00	1 26
0 117	0 000	0 2019	12 11660	0 000	14 30	0 00E+00	1 26
0 133	0 000	0 2022	12 13330	0 000	14 30	0 00E+00	1 26
0 150	0 000	0 2025	12 15000	0 000	14 30	0 00E+00	1 26
0 167	0 000	0 2028	12 16660	0 000	14 30	0 00E+00	1 26
0 183	0 000	0 2031	12 18330	0 000	14 30	0 00E+00	1 26
0 200	0 000	0 2033	12 20000	0 000	14 30	0 00E+00	1 26
0 217	0 000	0 2036	12 21660	0 000	14 30	0 00E+00	1 26
0 233	0 000	0 2039	12 23330	0 000	14 30	0 00E+00	1 26
0 250	0 000	0 2042	12 25000	0 000	14 30	0 00E+00	1 26
0 267	0 000	0 2044	12 26660	0 000	14 30	0 00E+00	1 26
0 283	0 000	0 2047	12 28330	0 000	14 30	0 00E+00	1 26
0 300	0 000	0 2050	12 30000	0 000	14 30	0 00E+00	1 26
0 317	0 000	0 2053	12 31660	0 000	14 30	0 00E+00	1 26
0 333	0 000	0 2056	12 33330	0 000	14 30	0 00E+00	1 26
0 417	0 000	0 2069	12 41670	0 000	14 30	0 00E+00	1 26
0 500	0 000	0 2083	12 50000	0 000	14 30	0 00E+00	1 26
0 583	0 000	0 2097	12.58330	0 000	14 30	0 00E+00	1 26
0 667	0 000	0 2111	12 66670	0 000	14 30	0 00E+00	1 26
0 750	0 000	0 2125	12 75000	0 000	14 30	0 00E+00	1 26
0 833	0 000	0 2139	12 83330	0 000	14 30	0 00E+00	1 26
0 917	0 000	0 2153	12 91670	0 000	14 30	0 00E+00	1 26
1 000	0 000	0 2167	13 00000	0 000	14 30	0 00E+00	1 26
1 083	0 000	0 2181	13 08330	0 000	14 30	0 00E+00	1 26
1 167	0 000	0 2194	13 16670	0 000	14 30	0 00E+00	1 26
1 250	0 000	0 2208	13 25000	0 000	14 30	0 00E+00	1 26

Input data				Cumulative Inflow (liters)	water level (fbtc)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)			
1 333	0 000	0 000	0 2222	13 33330	0 000	14 30
1 417	0 000	0 000	0 2236	13 41660	0 000	14 30
1 500	0 000	0 000	0 2250	13 50000	0 000	14 30
1 583	0 000	0 000	0 2264	13 58330	0 000	14 30
1 667	0 000	0 000	0 2278	13 66670	0 000	14 30
1 750	0 000	0 000	0 2292	13 75000	0 000	14 30
1 833	0 000	0 000	0 2306	13 83330	0 000	14 30
1 917	0 000	0 000	0 2319	13 91670	0 000	14 30
2 000	0 000	0 000	0 2333	14 00000	0 000	14 30
2 500	0 000	0 000	0 2417	14 50000	0 000	14 30
3 000	0 000	0 000	0 2500	15 00000	0 000	14 30
3 500	0 000	0 000	0 2583	15 50000	0 000	14 30
4 000	0 000	0 000	0 2667	16 00000	0 000	14 30
4 500	0 000	0 000	0 2750	16 50000	0 000	14 30
5 000	0 000	0 000	0 2833	17 00000	0 000	14 30
5 500	0 000	0 000	0 2917	17 50000	0 000	14 30
6 000	0 000	0 000	0 3000	18 00000	0 000	14 30
6 500	0 000	0 000	0 3083	18 50000	0 000	14 30
7 000	0 000	0 000	0 3167	19 00000	0 000	14 30
7 500	0 000	0 000	0 3250	19 50000	0 000	14 30
8 000	0 000	0 000	0 3333	20 00000	0 000	14 30
8 500	0 000	0 000	0 3417	20 50000	0 000	14 30
9 000	0 000	0 000	0 3500	21 00000	0 000	14 30
9 500	0 000	0 000	0 3583	21 50000	0 000	14 30
10 000	0 000	0 000	0 3667	22 00000	0 000	14 30
12 000	0 000	0 000	0 4000	24 00000	0 000	14 30
14 000	0 000	0 000	0 4333	26 00000	0 000	14 30
16 000	0 000	0 000	0 4667	28 00000	0 000	14 30
18 000	0 000	0 000	0 5000	30 00000	0 000	14 30
20 000	0 000	0 000	0 5333	32 00000	0 000	14 30
22 000	-0 010	0 000	0 5667	34 00000	0 010	14 29
24 000	-0 020	0 000	0 6000	36 00000	0 020	14 28
26 000	-0 030	0 000	0 6333	38 00000	0 030	14 27
28 000	-0 040	0 000	0 6667	40 00000	0 040	14 26
30 000	-0 050	0 000	0 7000	42 00000	0 050	14 25
32 000	-0 050	0 000	0 7333	44 00000	0 050	14 25
34 000	-0 060	0 000	0 7667	46 00000	0 060	14 24
36 000	-0 070	0 000	0 8000	48 00000	0 070	14 23
38 000	-0 070	0 000	0 8333	50 00000	0 070	14 23
40 000	-0 080	0 000	0 8667	52 00000	0 080	14 22
42 000	-0 090	0 000	0 9000	54 00000	0 090	14 21
44 000	-0 100	0 000	0 9333	56 00000	0 100	14 20
46 000	-0 100	0 000	0 9667	58 00000	0 100	14 20
48 000	-0 110	0 000	1 0000	60 00000	0 110	14 19
50 000	-0 110	0 000	1 0333	62 00000	0 110	14 19
52 000	-0 120	0 000	1 0667	64 00000	0 120	14 18
54 000	-0 130	0 000	1 1000	66 00000	0 130	14 17
56 000	-0 140	0 000	1 1333	68 00000	0 140	14 16
58 000	-0 140	0 000	1 1667	70 00000	0 140	14 16
60 000	-0 150	0 000	1 2000	72 00000	0 150	14 15
62 000	-0 150	0 000	1 2333	74 00000	0 150	14 15
64 000	-0 160	0 000	1 2667	76 00000	0 160	14 14
66 000	-0 170	0 000	1 3000	78 00000	0 170	14 13
68 000	-0 180	0 000	1 3333	80 00000	0 180	14 12
70 000	-0 180	0 000	1 3667	82 00000	0 180	14 12
72 000	-0 190	0 000	1 4000	84 00000	0 190	14 11
74 000	-0 200	0 000	1 4333	86 00000	0 200	14 10
76 000	-0 200	0 000	1 4667	88 00000	0 200	14 10
78 000	-0 210	0 000	1 5000	90 00000	0 210	14 09
80 000	-0 210	0 000	1 5333	92 00000	0 210	14 09
82 000	-0 220	0 000	1 5667	94 00000	0 220	14 08
84 000	-0 230	0 000	1 6000	96 00000	0 230	14 07
86 000	-0 230	0 000	1 6333	98 00000	0 230	14 07
88 000	-0 240	0 000	1 6667	100 00000	0 240	14 06
90 000	0 250	0 000	1 7000	102 00000	0 250	14 05
92 000	-0 250	0 000	1 7333	104 00000	0 250	14 05
94 000	-0 260	0 000	1 7667	106 00000	0 260	14 04
96 000	-0 270	0 000	1 8000	108 00000	0 270	14 03
98 000	-0 270	0 000	1 8333	110 00000	0 270	14 03
100 000	-0 280	0 000	1 8667	112 00000	0 280	14 02
110 000	-0 310	0 000	2 0333	122 00000	0 310	13 99
120 000	-0 330	0 000	2 2000	132 00000	0 330	13 97
130 000	-0 370	0 000	2 3667	142 00000	0 370	13 93
140 000	-0 400	0 000	2 5333	152 00000	0 400	13 90

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
150 000	-0 420	2 7000	162 00000	0 420	13 88		1 36E+00	2 63
160 000	-0 450	2 8667	172 00000	0 450	13 85		1 46E+00	2 72
170 000	-0 480	3 0333	182 00000	0 480	13 82		1 56E+00	2 82
180 000	-0 510	3 2000	192 00000	0 510	13 79		1 65E+00	2 92
190 000	-0 530	3 3667	202 00000	0 530	13 77		1 72E+00	2 98
200 000	-0 560	3 5333	212 00000	0 560	13 74		1 82E+00	3 08
210 000	-0 590	3 7000	222 00000	0 590	13 71		1 91E+00	3 18
220 000	-0 610	3 8667	232 00000	0 610	13 69		1 98E+00	3 24
230 000	-0 630	4 0333	242 00000	0 630	13 67		2 04E+00	3 31
240 000	-0 650	4 2000	252 00000	0 650	13 65		2 11E+00	3 37
250 000	-0 670	4 3667	262 00000	0 670	13 63		2 17E+00	3 44
260 000	-0 690	4 5333	272 00000	0 690	13 61		2 24E+00	3 50
270 000	-0 710	4 7000	282 00000	0 710	13 59		2 30E+00	3 57
280 000	-0 730	4 8667	292 00000	0 730	13 57		2 37E+00	3 63
290 000	-0 750	5 0333	302 00000	0 750	13 55		2 43E+00	3 70
300 000	-0 770	5 2000	312 00000	0 770	13 53		2 50E+00	3 76
310 000	-0 790	5 3667	322 00000	0 790	13 51		2 56E+00	3 83
320 000	-0 810	5 5333	332 00000	0 810	13 49		2 63E+00	3 89
330 000	-0 830	5 7000	342 00000	0 830	13 47		2 69E+00	3 96
340 000	-0 850	5 8667	352 00000	0 850	13 45		2 76E+00	4 02
350 000	-0 870	6 0333	362 00000	0 870	13 43		2 82E+00	4 09
360 000	-0 880	6 2000	372 00000	0 880	13 42		2 85E+00	4 12
370 000	-0 900	6 3667	382 00000	0 900	13 40		2 92E+00	4 18
380 000	-0 920	6 5333	392 00000	0 920	13 38		2 98E+00	4 25
390 000	-0 930	6 7000	402 00000	0 930	13 37		3 02E+00	4 28
400 000	-0 950	6 8667	412 00000	0 950	13 35		3 08E+00	4 35
410 000	-0 970	7 0333	422 00000	0 970	13 33		3 15E+00	4 41
420 000	-0 990	7 2000	432 00000	0 990	13 31		3 21E+00	4 48
430 000	-1 000	7 3667	442 00000	1 000	13 30		3 24E+00	4 51
440 000	-1 020	7 5333	452 00000	1 020	13 28		3 31E+00	4 57
450 000	-1 030	7 7000	462 00000	1 030	13 27		3 34E+00	4 61
460 000	-1 050	7 8667	472 00000	1 050	13 25		3 41E+00	4 67
470 000	-1 070	8 0333	482 00000	1 070	13 23		3 47E+00	4 74
480 000	-1 080	8 2000	492 00000	1 080	13 22		3 50E+00	4 77
490 000	-1 100	8 3667	502 00000	1 100	13 20		3 57E+00	4 83
500 000	-1 110	8 5333	512 00000	1 110	13 19		3 60E+00	4 86
510 000	-1 130	8 7000	522 00000	1 130	13 17		3 66E+00	4 93
520 000	-1 140	8 8667	532 00000	1 140	13 16		3 70E+00	4 96
530 000	-1 160	9 0333	542 00000	1 160	13 14		3 76E+00	5 03
540 000	-1 170	9 2000	552 00000	1 170	13 13		3 79E+00	5 06
550 000	-1 190	9 3667	562 00000	1 190	13 11		3 86E+00	5 12
560 000	-1 200	9 5333	572 00000	1 200	13 10		3 89E+00	5 16
570 000	-1 220	9 7000	582 00000	1 220	13 08		3 96E+00	5 22
580 000	1 230	9 8667	592 00000	1 230	13 07		3 99E+00	5 25
590 000	-1 240	10 0333	602 00000	1 240	13 06		4 02E+00	5 29
600 000	-1 250	10 2000	612 00000	1 250	13 05		4 05E+00	5 32
610 000	-1 270	10 3667	622 00000	1 270	13 03		4 12E+00	5 38
620 000	-1 280	10 5333	632 00000	1 280	13 02		4 15E+00	5 42
630 000	-1 300	10 7000	642 00000	1 300	13 00		4 22E+00	5 48
640 000	-1 310	10 8667	652 00000	1 310	12 99		4 25E+00	5 51
650 000	-1 320	11 0333	662 00000	1 320	12 98		4 28E+00	5 55
660 000	-1 340	11 2000	672 00000	1 340	12 96		4 35E+00	5 61
670 000	-1 350	11 3667	682 00000	1 350	12 95		4 38E+00	5 64
680 000	-1 360	11 5333	692 00000	1 360	12 94		4 41E+00	5 68
690 000	1 370	11 7000	702 00000	1 370	12 93		4 44E+00	5 71
700 000	1 390	11 8667	712 00000	1 390	12 91		4 51E+00	5 77
710 000	-1 400	12 0333	722 00000	1 400	12 90		4 54E+00	5 81
720 000	-1 410	12 2000	732 00000	1 410	12 89		4 57E+00	5 84
730 000	-1 430	12 3667	742 00000	1 430	12 87		4 64E+00	5 90
740 000	1 440	12 5333	752 00000	1 440	12 86		4 67E+00	5 94
750 000	1 450	12 7000	762 00000	1 450	12 85		4 70E+00	5 97
760 000	1 460	12 8667	772 00000	1 460	12 84		4 74E+00	6 00
770 000	-1 470	13 0333	782 00000	1 470	12 83		4 77E+00	6 03
780 000	-1 490	13 2000	792 00000	1 490	12 81		4 83E+00	6 10
790 000	-1 500	13 3667	802 00000	1 500	12 80		4 86E+00	6 13
800 000	-1 510	13 5333	812 00000	1 510	12 79		4 90E+00	6 16
810 000	-1 520	13 7000	822 00000	1 520	12 78		4 93E+00	6 19
820 000	1 540	13 8667	832 00000	1 540	12 76		4 99E+00	6 26
830 000	1 550	14 0333	842 00000	1 550	12 75		5 03E+00	6 29
840 000	-1 560	14 2000	852 00000	1 560	12 74		5 06E+00	6 32
850 000	-1 570	14 3667	862 00000	1 570	12 73		5 09E+00	6 36
860 000	-1 580	14 5333	872 00000	1 580	12 72		5 12E+00	6 39
870 000	-1 590	14 7000	882 00000	1 590	12 71		5 16E+00	6 42
880 000	-1 600	14 8667	892 00000	1 600	12 70		5 19E+00	6 45

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
890 000	-1 610	15 0333	902 00000	1 610	12 69	5 22E+00	6 49	
900 000	-1 630	15 2000	912 00000	1 630	12 67	5 29E+00	6 55	
910 000	-1 640	15 3667	922 00000	1 640	12 66	5 32E+00	6 58	
920 000	-1 650	15 5333	932 00000	1 650	12 65	5 35E+00	6 62	
930 000	-1 660	15 7000	942 00000	1 660	12 64	5 38E+00	6 65	
940 000	-1 670	15 8667	952 00000	1 670	12 63	5 42E+00	6 68	
950 000	-1 680	16 0333	962 00000	1 680	12 62	5 45E+00	6 71	
960 000	-1 690	16 2000	972 00000	1 690	12 61	5 48E+00	6 75	
970 000	-1 700	16 3667	982 00000	1 700	12 60	5 51E+00	6 78	
980 000	-1 710	16 5333	992 00000	1 710	12 59	5 55E+00	6 81	
990 000	-1 720	16 7000	1002 00000	1 720	12 58	5 58E+00	6 84	
1000 000	-1 720	16 8667	1012 00000	1 720	12 58	5 58E+00	6 84	
1100 000	-1 800	18 5333	1112 00000	1 800	12 50	5 84E+00	7 10	
1200 000	-1 880	20 2000	1212 00000	1 880	12 42	6 10E+00	7 36	
1300 000	-1 930	21 8667	1312 00000	1 930	12 37	6 26E+00	7 52	
1400 000	-1 960	23 5333	1412 00000	1 960	12 34	6 36E+00	7 62	
1500 000	2 000	25 2000	1512 00000	2 000	12 30	6 49E+00	7 75	
1600 000	-2 030	26 8667	1612 00000	2 030	12 27	6 58E+00	7 85	
1700 000	-2 060	28 5333	1712 00000	2 060	12 24	6 68E+00	7 95	
1800 000	2 080	30 2000	1812 00000	2 080	12 22	6 75E+00	8 01	
1900 000	-2 110	31 8667	1912 00000	2 110	12 19	6 84E+00	8 11	
2000 000	-2 140	33 5333	2012 00000	2 140	12 16	6 94E+00	8 21	
2100 000	-2 170	35 2000	2112 00000	2 170	12 13	7 04E+00	8 30	
2200 000	2 190	36 8667	2212 00000	2 190	12 11	7 10E+00	8 37	
2300 000	-2 220	38 5333	2312 00000	2 220	12 08	7 20E+00	8 46	
2400 000	-2 250	40 2000	2412 00000	2 250	12 05	7 30E+00	8 56	
2500 000	-2 270	41 8667	2512 00000	2 270	12 03	7 36E+00	8 63	
2600 000	2 290	43 5333	2612 00000	2 290	12 01	7 43E+00	8 69	
2700 000	-2 310	45 2000	2712 00000	2 310	11 99	7 49E+00	8 76	
2800 000	-2 330	46 8667	2812 00000	2 330	11 97	7 56E+00	8 82	
2900 000	-2 350	48 5333	2912 00000	2 350	11 95	7 62E+00	8 89	
3000 000	-2 370	50 2000	3012 00000	2 370	11 93	7 69E+00	8 95	
3100 000	-2 380	51 8667	3112 00000	2 380	11 92	7 72E+00	8 98	
3200 000	-2 390	53 5333	3212 00000	2 390	11 91	7 75E+00	9 02	
3300 000	-2 410	55 2000	3312 00000	2 410	11 89	7 82E+00	9 08	
3400 000	-2 420	56 8667	3412 00000	2 420	11 88	7 85E+00	9 11	
3500 000	-2 440	58 5333	3512 00000	2 440	11 86	7 91E+00	9 18	
3600 000	-2 460	60 2000	3612 00000	2 460	11 84	7 98E+00	9 24	
3700 000	-2 470	61 8667	3712 00000	2 470	11 83	8 01E+00	9 28	
3800 000	-2 490	63 5333	3812 00000	2 490	11 81	8 08E+00	9 34	
3900 000	-2 500	65 2000	3912 00000	2 500	11 80	8 11E+00	9 37	
4000 000	-2 510	66 8667	4012 00000	2 510	11 79	8 14E+00	9 41	
4100 000	-2 530	68 5333	4112 00000	2 530	11 77	8 21E+00	9 47	
4200 000	-2 540	70 2000	4212 00000	2 540	11 76	8 24E+00	9 50	
4300 000	-2 560	71 8667	4312 00000	2 560	11 74	8 30E+00	9 57	
4400 000	-2 580	73 5333	4412 00000	2 580	11 72	8 37E+00	9 63	
4500 000	-2 590	75 2000	4512 00000	2 590	11 71	8 40E+00	9 66	
4600 000	-2 600	76 8667	4612 00000	2 600	11 70	8 43E+00	9 70	
4700 000	-2 610	78 5333	4712 00000	2 610	11 69	8 46E+00	9 73	
4800 000	2 630	80 2000	4812 00000	2 630	11 67	8 53E+00	9 79	
4900 000	-2 640	81 8667	4912 00000	2 640	11 66	8 56E+00	9 83	
5000 000	2 660	83 5333	5012 00000	2 660	11 64	8 63E+00	9 89	
5100 000	-2 670	85 2000	5112 00000	2 670	11 63	8 66E+00	9 92	
5200 000	-2 690	86 8667	5212 00000	2 690	11 61	8 72E+00	9 99	
5300 000	2 700	88 5333	5312 00000	2 700	11 60	8 76E+00	10 02	
5400 000	-2 700	90 2000	5412 00000	2 700	11 60	8 76E+00	10 02	
5500 000	-2 720	91 8667	5512 00000	2 720	11 58	8 82E+00	10 09	
5600 000	-2 730	93 5333	5612 00000	2 730	11 57	8 85E+00	10 12	
5700 000	-2 740	95 2000	5712 00000	2 740	11 56	8 89E+00	10 15	
5800 000	-2 760	96 8667	5812 00000	2 760	11 54	8 95E+00	10 22	
5900 000	-2 770	98 5333	5912 00000	2 770	11 53	8 98E+00	10 25	
6000 000	-2 780	100 2000	6012 00000	2 780	11 52	9 02E+00	10 28	
6100 000	-2 790	101 8667	6112 00000	2 790	11 51	9 05E+00	10 31	
6200 000	-2 800	103 5333	6212 00000	2 800	11 50	9 08E+00	10 35	
6300 000	-2 810	105 2000	6312 00000	2 810	11 49	9 11E+00	10 38	
6400 000	-2 820	106 8667	6412 00000	2 820	11 48	9 15E+00	10 41	
6500 000	-2 830	108 5333	6512 00000	2 830	11 47	9 18E+00	10 44	
6600 000	-2 840	110 2000	6612 00000	2 840	11 46	9 21E+00	10 48	
6700 000	-2 850	111 8667	6712 00000	2 850	11 45	9 24E+00	10 51	
6800 000	-2 850	113 5333	6812 00000	2 850	11 45	9 24E+00	10 51	
6900 000	2 860	115 2000	6912 00000	2 860	11 44	9 28E+00	10 54	
7000 000	-2 870	116 8667	7012 00000	2 870	11 43	9 31E+00	10 57	
7100 000	-2 880	118 5333	7112 00000	2 880	11 42	9 34E+00	10 61	
7200 000	-2 890	120 2000	7212 00000	2 890	11 41	9 37E+00	10 64	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
7300 000		-2 900	121 8667	7312 00000	2 900	11 40	9 41E+00	10 67
7400 000		-2 910	123 5333	7412 00000	2 910	11 39	9 44E+00	10 70
7500 000		-2 920	125 2000	7512 00000	2 920	11 38	9 47E+00	10 74
7600 000		-2 930	126 8667	7612 00000	2 930	11 37	9 50E+00	10 77
7700 000		-2 930	128 5333	7712 00000	2 930	11 37	9 50E+00	10 77
7800 000		-2 940	130 2000	7812 00000	2 940	11 36	9 54E+00	10 80
7900 000		-2 950	131 8667	7912 00000	2 950	11 35	9 57E+00	10 83
8000 000		-2 960	133 5333	8012 00000	2 960	11 34	9 60E+00	10 86
8100 000		-2 970	135 2000	8112 00000	2 970	11 33	9 63E+00	10 90
8200 000		-2 970	136 8667	8212 00000	2 970	11 33	9 63E+00	10 90
8300 000		-2 970	138 5333	8312 00000	2 970	11 33	9 63E+00	10 90
8400 000		-2 980	140 2000	8412 00000	2 980	11 32	9 66E+00	10 93
8500 000		-2 990	141 8667	8512 00000	2 990	11 31	9 70E+00	10 96
8600 000		-3 000	143 5333	8612 00000	3 000	11 30	9 73E+00	10 99
8700 000		-3 010	145 2000	8712 00000	3 010	11 29	9 76E+00	11 03
8800 000		-3 010	146 8667	8812 00000	3 010	11 29	9 76E+00	11 03
8900 000		-3 020	148 5333	8912 00000	3 020	11 28	9 79E+00	11 06
9000 000		-3 030	150 2000	9012 00000	3 030	11 27	9 83E+00	11 09
9100 000		-3 030	151 8667	9112 00000	3 030	11 27	9 83E+00	11 09
9200 000		-3 040	153 5333	9212 00000	3 040	11 26	9 86E+00	11 12
9300 000		-3 050	155 2000	9312 00000	3 050	11 25	9 89E+00	11 16
9400 000		-3 060	156 8667	9412 00000	3 060	11 24	9 92E+00	11 19
9500 000		-3 060	158 5333	9512 00000	3 060	11 24	9 92E+00	11 19
9600 000		-3 060	160 2000	9612 00000	3 060	11 24	9 92E+00	11 19
9700 000		-3 070	161 8667	9712 00000	3 070	11 23	9 96E+00	11 22
9800 000		-3 070	163 5333	9812 00000	3 070	11 23	9 96E+00	11 22
9900 000		-3 080	165 2000	9912 00000	3 080	11 22	9 99E+00	11 25
10000 000		-3 080	166 8667	10012 00000	3 080	11 22	9 99E+00	11 25
10500 000		-3 110	175 2000	10512 00000	3 110	11 19	1 01E+01	11 35
11000 000		-3 150	183 5333	11012 00000	3 150	11 15	1 02E+01	11 48
11500 000		-3 170	191 8667	11512 00000	3 170	11 13	1 03E+01	11 55
12000 000		-3 200	200 2000	12012 00000	3 200	11 10	1 04E+01	11 64
12500 000		-3 220	208 5333	12512 00000	3 220	11 08	1 04E+01	11 71
13000 000		-3 240	216 8667	13012 00000	3 240	11 06	1 05E+01	11 77
13500 000		-3 260	225 2000	13512 00000	3 260	11 04	1 06E+01	11 84
14000 000		-3 280	233 5333	14012 00000	3 280	11 02	1 06E+01	11 90
14500 000		-3 310	241 8667	14512 00000	3 310	10 99	1 07E+01	12 00
15000 000		-3 320	250 2000	15012 00000	3 320	10 98	1 08E+01	12 03
15500 000		-3 340	258 5333	15512 00000	3 340	10 96	1 08E+01	12 10
16000 000		-3 360	266 8667	16012 00000	3 360	10 94	1 09E+01	12 16
16500 000		-3 370	275 2000	16512 00000	3 370	10 93	1 09E+01	12 19
17000 000		-3 380	283 5333	17012 00000	3 380	10 92	1 10E+01	12 23
17500 000		-3 400	291 8667	17512 00000	3 400	10 90	1 10E+01	12 29
18000 000		-3 410	300 2000	18012 00000	3 410	10 89	1 11E+01	12 32
18500 000		3 420	308 5333	18512 00000	3 420	10 88	1 11E+01	12 36
19000 000		3 430	316 8667	19012 00000	3 430	10 87	1 11E+01	12 39
19500 000		-3 440	325 2000	19512 00000	3 440	10 86	1 12E+01	12 42
20000 000		-3 450	333 5333	20012 00000	3 450	10 85	1 12E+01	12 45
20500 000		-3 460	341 8667	20512 00000	3 460	10 84	1 12E+01	12 49
21000 000		-3 470	350 2000	21012 00000	3 470	10 83	1 13E+01	12 52
21500 000		-3 470	358 5333	21512 00000	3 470	10 83	1 13E+01	12 52
22000 000		-3 480	366 8667	22012 00000	3 480	10 82	1 13E+01	12 55
22500 000		-3 500	375 2000	22512 00000	3 500	10 80	1 14E+01	12 62
23000 000		-3 500	383 5333	23012 00000	3 500	10 80	1 14E+01	12 62
23500 000		-3 510	391 8667	23512 00000	3 510	10 79	1 14E+01	12 65
24000 000		-3 510	400 2000	24012 00000	3 510	10 79	1 14E+01	12 65
24500 000		3 510	408 5333	24512 00000	3 510	10 79	1 14E+01	12 65
25000 000		-3 520	416 8667	25012 00000	3 520	10 78	1 14E+01	12 68
25500 000		-3 520	425 2000	25512 00000	3 520	10 78	1 14E+01	12 68
26000 000		-3 530	433 5333	26012 00000	3 530	10 77	1 14E+01	12 71
26500 000		-3 530	441 8667	26512 00000	3 530	10 77	1 14E+01	12 71
27000 000		-3 530	450 2000	27012 00000	3 530	10 77	1 14E+01	12 71
27500 000		-3 540	458 5333	27512 00000	3 540	10 76	1 15E+01	12 75
28000 000		-3 540	466 8667	28012 00000	3 540	10 76	1 15E+01	12 75
28500 000		3 550	475 2000	28512 00000	3 550	10 75	1 15E+01	12 78
29000 000		-7 990	483 5333	29012 00000	7 990	6 31	2 59E+01	27 18
29500 000		8 370	491 8667	29512 00000	8 370	5 93	2 71E+01	28 41
30000 000		-8 470	500 2000	30012 00000	8 470	5 83	2 75E+01	28 73
30500 000		-8 520	508 5333	30512 00000	8 520	5 78	2 76E+01	28 84
31000 000		8 570	516 8667	31012 00000	8 570	5 73	2 76E+01	28 88
31500 000		8 570	525 2000	31512 00000	8 570	5 73	2 76E+01	28 88

Well No. 45391

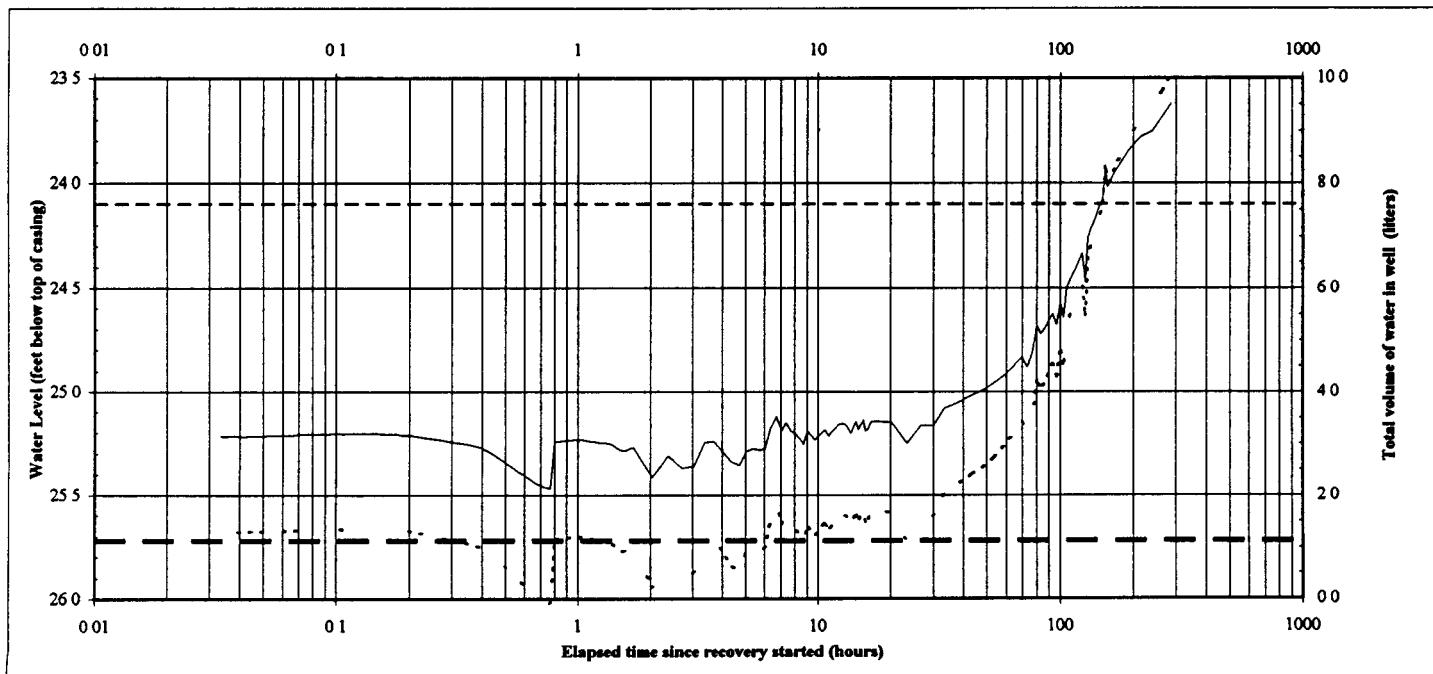
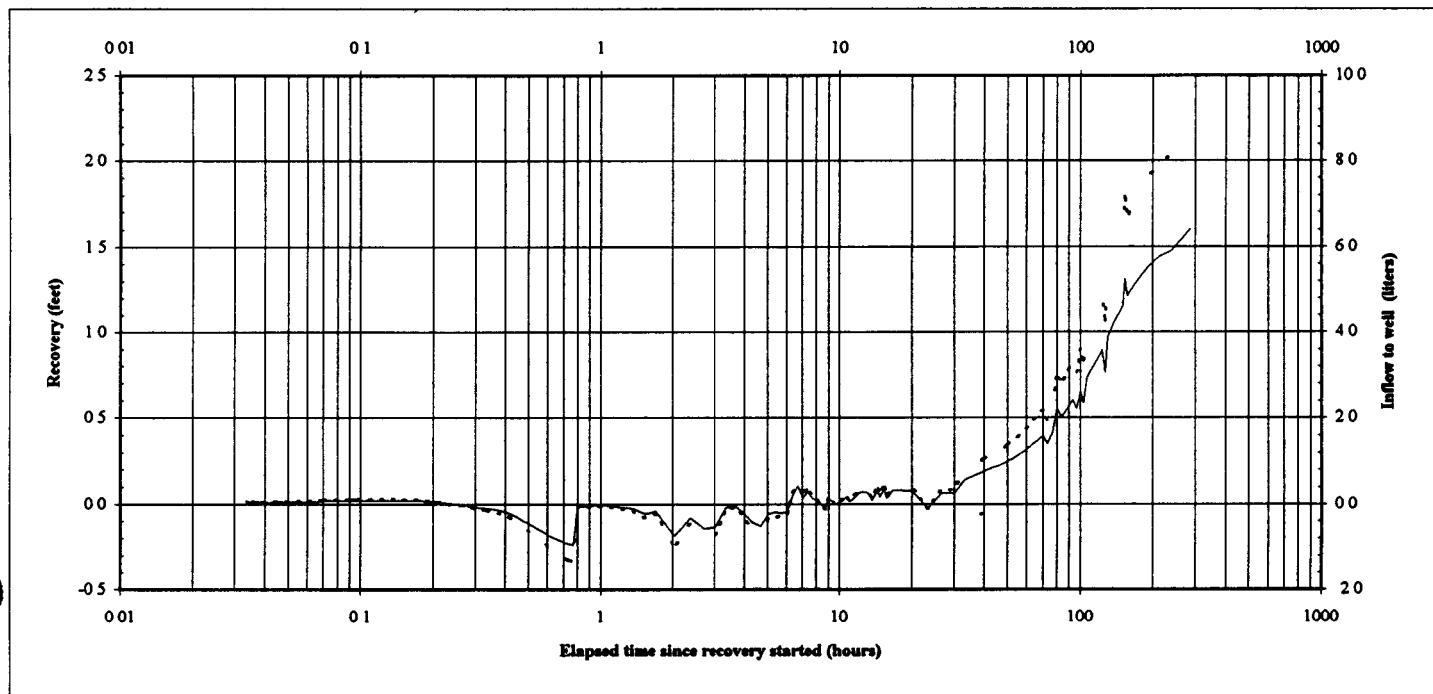
Measured recovery after sampling

Date: 26-May-94

2nd quarter

1994

Pre-sampling
 - - - - - Static Water Level
 - - - - - Bottom of well
 - - - - - Water Level
 Volume



Well No.

45391

Date Sampled

2nd quarter

26-May-94

		Delay	2 00	Minutes
Final bail time	8:39			
Set transducer time	8:41			
Static Water Level (pre-sampling)	24.1	feet below top of casing		
Final water level (post-sampling)	23.6	feet below top of casing		
Last recorded water level	23.6	feet below transducer		
Transducer Reference Depth	25.2	feet below top of casing		
Bottom of well	23.7	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	25.2	feet below top of casing		
Water column remaining in casing after purging	0.5	feet		
Volume remaining in casing after purging	1.2	liters		
Well Diameter	8.5	inches	0.708	feet
Well Radius	4.3	inches	0.354	feet
Casing Diameter	4.0	inches	0.333	feet
Casing radius	2.0	inches	0.167	feet
Effective well radius	3.0	inches	0.249	feet
Top of sandpack	11.7	feet below top of casing		
			2.47 liter/foot	
			5.51 liter/foot	

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0.000	-0.009	0.0333	2.00000	0.009	25.22	6.61E-02	1.31
0.003	-0.012	0.0334	2.00330	0.012	25.22	6.61E-02	1.31
0.007	-0.012	0.0334	2.00660	0.012	25.22	6.61E-02	1.31
0.010	-0.012	0.0335	2.01000	0.012	25.22	6.61E-02	1.31
0.013	-0.012	0.0336	2.01330	0.012	25.22	6.61E-02	1.31
0.017	-0.009	0.0336	2.01660	0.009	25.22	4.96E-02	1.29
0.020	-0.009	0.0337	2.02000	0.009	25.22	4.96E-02	1.29
0.023	-0.009	0.0337	2.02330	0.009	25.22	4.96E-02	1.29
0.027	-0.009	0.0338	2.02660	0.009	25.22	4.96E-02	1.29
0.030	-0.009	0.0338	2.03000	0.009	25.22	4.96E-02	1.29
0.033	-0.012	0.0339	2.03330	0.012	25.22	6.61E-02	1.31
0.037	-0.009	0.0339	2.03660	0.009	25.22	4.96E-02	1.29
0.040	-0.012	0.0340	2.04000	0.012	25.22	6.61E-02	1.31
0.043	-0.012	0.0341	2.04330	0.012	25.22	6.61E-02	1.31
0.047	-0.012	0.0341	2.04660	0.012	25.22	6.61E-02	1.31
0.050	-0.012	0.0342	2.05000	0.012	25.22	6.61E-02	1.31
0.053	-0.009	0.0342	2.05330	0.009	25.22	4.96E-02	1.29
0.057	-0.009	0.0343	2.05660	0.009	25.22	4.96E-02	1.29
0.060	-0.012	0.0343	2.06000	0.012	25.22	6.61E-02	1.31
0.063	-0.009	0.0344	2.06330	0.009	25.22	4.96E-02	1.29
0.067	-0.009	0.0344	2.06660	0.009	25.22	4.96E-02	1.29
0.070	-0.009	0.0345	2.07000	0.009	25.22	4.96E-02	1.29
0.073	-0.009	0.0346	2.07330	0.009	25.22	4.96E-02	1.29
0.077	-0.009	0.0346	2.07660	0.009	25.22	4.96E-02	1.29
0.080	-0.009	0.0347	2.08000	0.009	25.22	4.96E-02	1.29
0.083	-0.009	0.0347	2.08330	0.009	25.22	4.96E-02	1.29
0.087	-0.009	0.0348	2.08660	0.009	25.22	4.96E-02	1.29
0.090	-0.009	0.0348	2.09000	0.009	25.22	4.96E-02	1.29
0.093	-0.009	0.0349	2.09330	0.009	25.22	4.96E-02	1.29
0.097	-0.009	0.0349	2.09660	0.009	25.22	4.96E-02	1.29
0.100	-0.012	0.0350	2.10000	0.012	25.22	6.61E-02	1.31
0.103	-0.009	0.0351	2.10330	0.009	25.22	4.96E-02	1.29
0.107	-0.009	0.0351	2.10660	0.009	25.22	4.96E-02	1.29
0.110	-0.009	0.0352	2.11000	0.009	25.22	4.96E-02	1.29
0.113	-0.012	0.0352	2.11330	0.012	25.22	6.61E-02	1.31
0.117	-0.012	0.0353	2.11660	0.012	25.22	6.61E-02	1.31
0.120	-0.012	0.0353	2.12000	0.012	25.22	6.61E-02	1.31
0.123	-0.012	0.0354	2.12330	0.012	25.22	6.61E-02	1.31
0.127	-0.012	0.0354	2.12660	0.012	25.22	6.61E-02	1.31

Input Transducer	Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-0 012	0 0355	2.13000	0 012	25 22		6 61E-02	1 31
0 133	-0 009	0 0356	2.13330	0 009	25 22		4 96E-02	1 29
0 137	-0 012	0 0356	2.13660	0 012	25 22		6 61E-02	1 31
0 140	-0 012	0 0357	2.14000	0 012	25 22		6 61E-02	1 31
0 143	-0 012	0 0357	2.14330	0 012	25 22		6 61E-02	1 31
0 147	-0 012	0 0358	2.14660	0 012	25 22		6 61E-02	1 31
0 150	-0 012	0 0358	2.15000	0 012	25 22		6 61E-02	1 31
0 153	-0 012	0 0359	2.15330	0 012	25 22		6 61E-02	1 31
0 157	-0 012	0 0359	2.15660	0 012	25 22		6 61E-02	1 31
0 160	-0 012	0 0360	2.16000	0 012	25 22		6 61E-02	1 31
0 163	-0 012	0 0361	2.16330	0 012	25 22		6 61E-02	1 31
0 167	-0 012	0 0361	2.16660	0 012	25 22		6 61E-02	1 31
0 170	-0 012	0 0362	2.17000	0 012	25 22		6 61E-02	1 31
0 173	-0 012	0 0362	2.17330	0 012	25 22		6 61E-02	1 31
0 177	-0 012	0 0363	2.17660	0 012	25 22		6 61E-02	1 31
0 180	-0 012	0 0363	2.18000	0 012	25 22		6 61E-02	1 31
0 183	-0 012	0 0364	2.18330	0 012	25 22		6 61E-02	1 31
0 187	-0 012	0 0364	2.18660	0 012	25 22		6 61E-02	1 31
0 190	-0 012	0 0365	2.19000	0 012	25 22		6 61E-02	1 31
0 193	-0 012	0 0366	2.19330	0 012	25 22		6 61E-02	1 31
0 197	-0 012	0 0366	2.19660	0 012	25 22		6 61E-02	1 31
0 200	-0 012	0 0367	2.20000	0 012	25 22		6 61E-02	1 31
0 203	-0 012	0 0367	2.20330	0 012	25 22		6 61E-02	1 31
0 207	-0 012	0 0368	2.20660	0 012	25 22		6 61E-02	1 31
0 210	-0 012	0 0368	2.21000	0 012	25 22		6 61E-02	1 31
0 213	-0 012	0 0369	2.21330	0 012	25 22		6 61E-02	1 31
0 217	-0 012	0 0369	2.21660	0 012	25 22		6 61E-02	1 31
0 220	-0 012	0 0370	2.22000	0 012	25 22		6 61E-02	1 31
0 223	-0 012	0 0371	2.22330	0 012	25 22		6 61E-02	1 31
0 227	-0 012	0 0371	2.22660	0 012	25 22		6 61E-02	1 31
0 230	-0 012	0 0372	2.23000	0 012	25 22		6 61E-02	1 31
0 233	-0 012	0 0372	2.23330	0 012	25 22		6 61E-02	1 31
0 237	-0 012	0 0373	2.23660	0 012	25 22		6.61E-02	1 31
0 240	-0 012	0 0373	2.24000	0 012	25 22		6 61E-02	1 31
0 243	-0 012	0 0374	2.24330	0 012	25 22		6 61E-02	1 31
0 247	-0 012	0 0374	2.24660	0 012	25 22		6 61E-02	1 31
0 250	-0 012	0 0375	2.25000	0 012	25 22		6 61E-02	1 31
0 253	-0 012	0 0376	2.25330	0 012	25 22		6 61E-02	1 31
0 257	-0 012	0 0376	2.25660	0 012	25 22		6 61E-02	1 31
0 260	-0 012	0 0377	2.26000	0 012	25 22		6 61E-02	1 31
0 263	-0 012	0 0377	2.26330	0 012	25 22		6.61E-02	1 31
0 267	-0 012	0 0378	2.26660	0 012	25 22		6 61E-02	1 31
0 270	-0 012	0 0378	2.27000	0 012	25 22		6 61E-02	1 31
0 273	-0 012	0 0379	2.27330	0 012	25 22		6 61E-02	1 31
0 277	-0 012	0 0379	2.27660	0 012	25 22		6 61E-02	1 31
0 280	-0 012	0 0380	2.28000	0 012	25 22		6 61E-02	1 31
0 283	-0 012	0 0381	2.28330	0 012	25 22		6.61E-02	1 31
0 287	-0 012	0 0381	2.28660	0 012	25 22		6 61E-02	1 31
0 290	-0 012	0 0382	2.29000	0 012	25 22		6 61E-02	1 31
0 293	-0 012	0 0382	2.29330	0 012	25 22		6 61E-02	1 31
0 297	-0 012	0 0383	2.29660	0 012	25 22		6 61E-02	1 31
0 300	-0 012	0 0383	2.30000	0 012	25 22		6.61E-02	1 31
0 303	-0 012	0 0384	2.30330	0 012	25 22		6 61E-02	1 31
0 307	-0 012	0 0384	2.30660	0 012	25 22		6 61E-02	1 31
0 310	-0 012	0 0385	2.31000	0 012	25 22		6 61E-02	1 31
0 313	-0 012	0 0386	2.31330	0 012	25 22		6 61E-02	1 31
0 317	-0 012	0 0386	2.31660	0 012	25 22		6 61E-02	1 31
0 320	-0 012	0 0387	2.32000	0 012	25 22		6 61E-02	1 31
0 323	-0 012	0 0387	2.32330	0 012	25 22		6 61E-02	1 31
0 327	-0 012	0 0388	2.32660	0 012	25 22		6 61E-02	1 31
0 330	-0 012	0 0388	2.33000	0 012	25 22		6 61E-02	1 31
0 333	-0 012	0 0389	2.33330	0 012	25 22		6 61E-02	1 31
0 350	-0 009	0 0392	2.35000	0 009	25 22		4 96E-02	1 29
0 367	-0 009	0 0394	2.36660	0 009	25 22		4 96E-02	1 29
0 383	-0 009	0 0397	2.38330	0 009	25 22		4 96E-02	1 29
0 400	-0 009	0 0400	2.40000	0 009	25 22		4 96E-02	1 29
0 417	-0 009	0 0403	2.41660	0 009	25 22		4 96E-02	1 29
0 433	-0 009	0 0406	2.43330	0 009	25 22		4 96E-02	1 29
0 450	-0 009	0 0408	2.45000	0 009	25 22		4 96E-02	1 29
0 467	-0 009	0 0411	2.46660	0 009	25 22		4 96E-02	1 29
0 483	-0 009	0 0414	2.48330	0 009	25 22		4 96E-02	1 29
0 500	-0 009	0 0417	2.50000	0 009	25 22		4 96E-02	1 29
0 517	-0 009	0 0419	2.51660	0 009	25 22		4 96E-02	1 29

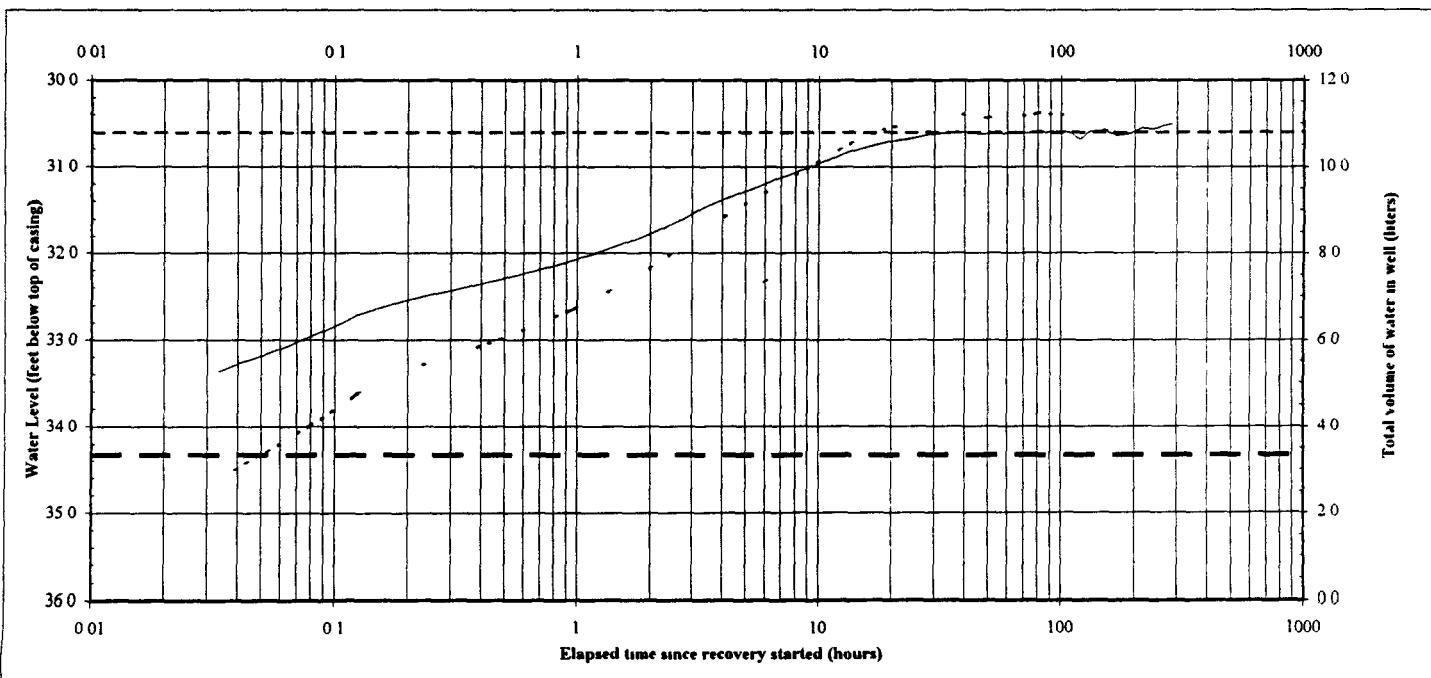
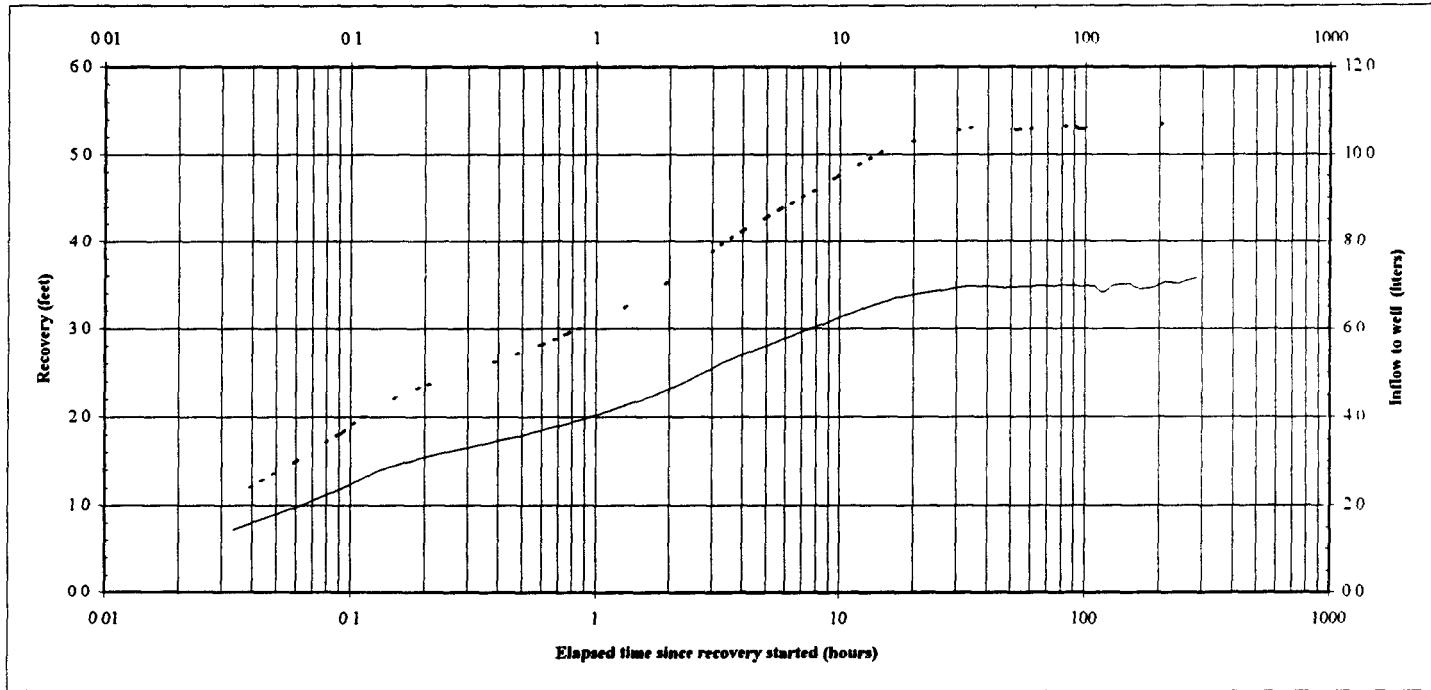
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 009	0 0422	2.53330	0 009	25 22	4 96E-02	1 29
0 550	-0 009	0 0425	2.55000	0 009	25 22	4 96E-02	1 29
0 567	-0 009	0 0428	2.56660	0 009	25 22	4 96E-02	1 29
0 583	-0 012	0 0431	2.58330	0 012	25 22	6 61E-02	1 31
0 600	-0 012	0 0433	2.60000	0 012	25 22	6 61E-02	1 31
0 617	-0 012	0 0436	2.61660	0 012	25 22	6 61E-02	1 31
0 633	-0 012	0 0439	2.63330	0 012	25 22	6 61E-02	1 31
0 650	-0 012	0 0442	2.65000	0 012	25 22	6 61E-02	1 31
0 667	-0 012	0 0444	2.66660	0 012	25 22	6 61E-02	1 31
0 683	-0 009	0 0447	2.68330	0 009	25 22	4 96E-02	1 29
0 700	-0 012	0 0450	2.70000	0 012	25 22	6 61E-02	1 31
0 717	-0 012	0 0453	2.71660	0 012	25 22	6 61E-02	1 31
0 733	-0 012	0 0456	2.73330	0 012	25 22	6 61E-02	1 31
0 750	-0 012	0 0458	2.75000	0 012	25 22	6 61E-02	1 31
0 767	-0 012	0 0461	2.76660	0 012	25 22	6 61E-02	1 31
0 783	-0 012	0 0464	2.78330	0 012	25 22	6 61E-02	1 31
0 800	-0 012	0 0467	2.80000	0 012	25 22	6 61E-02	1 31
0 817	-0 012	0 0469	2.81660	0 012	25 22	6 61E-02	1 31
0 833	-0 012	0 0472	2.83330	0 012	25 22	6 61E-02	1 31
0 850	-0 012	0 0475	2.85000	0 012	25 22	6 61E-02	1 31
0 867	-0 009	0 0478	2.86660	0 009	25 22	4 96E-02	1 29
0 883	-0 012	0 0481	2.88330	0 012	25 22	6 61E-02	1 31
0 900	-0 012	0 0483	2.90000	0 012	25 22	6 61E-02	1 31
0 917	-0 012	0 0486	2.91660	0 012	25 22	6 61E-02	1 31
0 933	-0 012	0 0489	2.93330	0 012	25 22	6 61E-02	1 31
0 950	-0 012	0 0492	2.95000	0 012	25 22	6 61E-02	1 31
0 967	-0 012	0 0494	2.96660	0 012	25 22	6 61E-02	1 31
0 983	-0 012	0 0497	2.98330	0 012	25 22	6 61E-02	1 31
1 000	-0 012	0 0500	3 00000	0 012	25 22	6 61E-02	1 31
1 200	-0 015	0 0533	3 20000	0 015	25 21	8 27E-02	1 32
1 400	-0 015	0 0567	3 40000	0 015	25 21	8 27E-02	1 32
1 600	-0 015	0 0600	3 60000	0 015	25 21	8 27E-02	1 32
1 800	-0 015	0 0633	3 80000	0 015	25 21	8 27E-02	1 32
2.000	-0 015	0 0667	4 00000	0 015	25 21	8 27E-02	1 32
2.200	-0 019	0 0700	4 20000	0 019	25 21	1 05E-01	1 35
2.400	-0 019	0 0733	4 40000	0 019	25 21	1 05E-01	1 35
2.600	-0 019	0 0767	4 60000	0 019	25 21	1 05E-01	1 35
2.800	-0 019	0 0800	4 80000	0 019	25 21	1 05E-01	1 35
3.000	-0 019	0 0833	5 00000	0 019	25 21	1 05E-01	1 35
3.200	-0 019	0 0867	5 20000	0 019	25 21	1 05E-01	1 35
3.400	-0 019	0 0900	5 40000	0 019	25 21	1 05E-01	1 35
3.600	-0 019	0 0933	5 60000	0 019	25 21	1 05E-01	1 35
3.800	-0 022	0 0967	5 80000	0 022	25 21	1 21E-01	1 36
4.000	-0 022	0 1000	6 00000	0 022	25 21	1 21E-01	1 36
4.200	-0 022	0 1033	6 20000	0 022	25 21	1 21E-01	1 36
4.400	-0 019	0 1067	6 40000	0 019	25 21	1 05E-01	1 35
4.600	-0 022	0 1100	6 60000	0 022	25 21	1 21E-01	1 36
4.800	-0.022	0 1133	6 80000	0 022	25 21	1 21E-01	1 36
5.000	-0 022	0 1167	7 00000	0 022	25 21	1 21E-01	1 36
5.200	-0 022	0 1200	7 20000	0 022	25 21	1 21E-01	1 36
5.400	-0 022	0 1233	7 40000	0 022	25 21	1 21E-01	1 36
5.600	-0 022	0 1267	7 60000	0 022	25 21	1 21E-01	1 36
5.800	-0 022	0 1300	7 80000	0 022	25 21	1 21E-01	1 36
6.000	-0 022	0 1333	8 00000	0 022	25 21	1 21E-01	1 36
6.200	-0 022	0 1367	8 20000	0 022	25 21	1 21E-01	1 36
6.400	-0 022	0 1400	8 40000	0 022	25 21	1 21E-01	1 36
6.600	-0 022	0 1433	8 60000	0 022	25 21	1 21E-01	1 36
6.800	-0 022	0 1467	8 80000	0 022	25 21	1 21E-01	1 36
7.000	-0 022	0 1500	9 00000	0 022	25 21	1 21E-01	1 36
7.200	-0 019	0 1533	9 20000	0 019	25 21	1 05E-01	1 35
7.400	-0 019	0 1567	9 40000	0 019	25 21	1 05E-01	1 35
7.600	-0 019	0 1600	9 60000	0 019	25 21	1 05E-01	1 35
7.800	-0 019	0 1633	9 80000	0 019	25 21	1 05E-01	1 35
8.000	-0 019	0 1667	10 00000	0 019	25 21	1 05E-01	1 35
8.200	-0 019	0 1700	10 20000	0 019	25 21	1 05E-01	1 35
8.400	-0 019	0 1733	10 40000	0 019	25 21	1 05E-01	1 35
8.600	-0 019	0 1767	10 60000	0 019	25 21	1 05E-01	1 35
8.800	-0 019	0 1800	10 80000	0 019	25 21	1 05E-01	1 35
9.000	-0 015	0 1833	11 00000	0 015	25 21	8 27E-02	1 32
9.200	-0 015	0 1867	11 20000	0 015	25 21	8 27E-02	1 32
9.400	-0 015	0 1900	11 40000	0 015	25 21	8 27E-02	1 32
9.600	-0 015	0 1933	11 60000	0 015	25 21	8 27E-02	1 32
9.800	-0 015	0 1967	11 80000	0 015	25 21	8 27E-02	1 32

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-0 015	0 2000	12 00000	0 015	25 21	8 27E-02	1 32
12 000	-0 003	0 2333	14 00000	0 003	25 22	1 65E-02	1 26
14 000	0 006	0 2667	16 00000	-0 006	25 23	-3 31E-02	1 21
16 000	0 019	0 3000	18 00000	-0 019	25 25	-1 05E-01	1 14
18 000	0 025	0 3333	20 00000	-0 025	25 25	-1 38E-01	1 10
20 000	0 034	0 3667	22 00000	-0 034	25 26	-1 87E-01	1 05
22 000	0 044	0 4000	24 00000	-0 044	25 27	-2 43E-01	1 00
24 000	0 066	0 4333	26 00000	-0 066	25 29	-3 64E-01	0 88
26 000	0 091	0 4667	28 00000	-0 091	25 32	-5 02E-01	0 74
28 000	0 114	0 5000	30 00000	-0 114	25 34	-6 28E-01	0 61
30 000	0 136	0 5333	32 00000	-0 136	25 36	-7 50E-01	0 49
32 000	0 158	0 5667	34 00000	-0 158	25 39	-8 71E-01	0 37
34 000	0 177	0 6000	36 00000	-0 177	25 40	-9 76E-01	0 26
36 000	0 196	0 6333	38 00000	-0 196	25 42	-1 08E+00	0 16
38 000	0 212	0 6667	40 00000	-0 212	25 44	-1 17E+00	0 07
40 000	0 225	0 7000	42 00000	-0 225	25 45	-1 24E+00	0 00
42 000	0 234	0 7333	44 00000	-0 234	25 46	-1 29E+00	-0 05
44 000	0 240	0 7667	46 00000	-0 240	25 47	-1 32E+00	-0 08
46 000	0 015	0 8000	48 00000	-0 015	25 24	-8 27E-02	1 16
48 000	0 015	0 8333	50 00000	-0 015	25 24	-8 27E-02	1 16
50 000	0 012	0 8667	52 00000	-0 012	25 24	-6 61E-02	1 17
52 000	0 009	0 9000	54 00000	-0 009	25 24	-4 96E-02	1 19
54 000	0 009	0 9333	56 00000	-0 009	25 24	-4 96E-02	1 19
56 000	0 006	0 9667	58 00000	-0 006	25 23	-3 31E-02	1 21
58 000	0 009	1 0000	60 00000	-0 009	25 24	-4 96E-02	1 19
60 000	0 006	1 0333	62 00000	-0 006	25 23	-3 31E-02	1 21
62 000	0 009	1 0667	64 00000	-0 009	25 24	-4 96E-02	1 19
64 000	0 012	1 1000	66 00000	-0 012	25 24	-6 61E-02	1 17
66 000	0 015	1 1333	68 00000	-0 015	25 24	-8 27E-02	1 16
68 000	0 015	1 1667	70 00000	-0 015	25 24	-8 27E-02	1 16
70 000	0 019	1 2000	72 00000	-0 019	25 25	-1 05E-01	1 14
72 000	0 022	1 2333	74 00000	-0 022	25 25	-1 21E-01	1 12
74 000	0 022	1 2667	76 00000	-0 022	25 25	-1 21E-01	1 12
76 000	0 022	1 3000	78 00000	-0 022	25 25	-1 21E-01	1 12
78 000	0 025	1 3333	80 00000	-0 025	25 25	-1 38E-01	1 10
80 000	0 028	1 3667	82 00000	-0 028	25 26	-1 54E-01	1 09
82 000	0 034	1 4000	84 00000	-0 034	25 26	-1 87E-01	1 05
84 000	0 041	1 4333	86 00000	-0 041	25 27	-2 26E-01	1 01
86 000	0 047	1 4667	88 00000	-0 047	25 27	-2 59E-01	0 98
88 000	0 053	1 5000	90 00000	-0 053	25 28	-2 92E-01	0 95
90 000	0 057	1 5333	92 00000	-0 057	25 28	-3 14E-01	0 93
92 000	0 057	1 5667	94 00000	-0 057	25 28	-3 14E-01	0 93
94 000	0 053	1 6000	96 00000	-0 053	25 28	-2 92E-01	0 95
96 000	0 047	1 6333	98 00000	-0 047	25 27	-2 59E-01	0 98
98 000	0 044	1 6667	100 00000	-0 044	25 27	-2 43E-01	1 00
100 000	0 041	1 7000	102 00000	-0 041	25 27	-2 26E-01	1 01
120 000	0 187	2.0333	122.00000	-0 187	25 41	-1 03E+00	0 21
140 000	0 082	2.3667	142.00000	-0 082	25 31	-4 52E-01	0 79
160 000	0 142	2 7000	162.00000	-0 142	25 37	-7 83E-01	0 46
180 000	0 133	3 0333	182.00000	-0 133	25 36	-7 33E-01	0 51
200 000	0 019	3 3667	202.00000	-0 019	25 25	-1 05E-01	1 14
220 000	0 015	3 7000	222.00000	-0 015	25 24	-8 27E-02	1 16
240 000	0 063	4 0333	242.00000	-0 063	25 29	-3 47E-01	0 89
260 000	0 110	4 3667	262.00000	-0 110	25 34	-6 06E-01	0 63
280 000	0 126	4 7000	282.00000	-0 126	25 35	-6 95E-01	0 55
300 000	0 060	5 0333	302.00000	-0 060	25 29	-3 31E-01	0 91
320 000	0 047	5 3667	322.00000	-0 047	25 27	-2 59E-01	0 98
340 000	0 053	5 7000	342.00000	-0 053	25 28	-2 92E-01	0 95
360 000	0 047	6 0333	362.00000	-0 047	25 27	-2 59E-01	0 98
380 000	-0 053	6 3667	382.00000	0 053	25 17	2 92E-01	1 53
400 000	-0 107	6 7000	402.00000	0 107	25 12	5 90E-01	1 83
420 000	-0 034	7 0333	422.00000	0 034	25 19	1 87E-01	1 43
440 000	-0 076	7 3667	442.00000	0 076	25 15	4 19E-01	1 66
460 000	-0 034	7 7000	462.00000	0 034	25 19	1 87E-01	1 43
480 000	-0 022	8 0333	482.00000	0 022	25 21	1 21E-01	1 36
500 000	0 000	8 3667	502.00000	0 000	25 23	0 00E+00	1 24
520 000	0 028	8 7000	522.00000	-0 028	25 26	-1 54E-01	1 09
540 000	-0 034	9 0333	542.00000	0 034	25 19	1 87E-01	1 43
560 000	-0 015	9 3667	562.00000	0 015	25 21	8 27E-02	1 32
580 000	0 006	9 7000	582.00000	-0 006	25 23	-3 31E-02	1 21
600 000	-0 012	10 0333	602.00000	0 012	25 22	6 61E-02	1 31
620 000	-0 025	10 3667	622.00000	0 025	25 20	1 38E-01	1 38
640 000	-0 041	10 7000	642.00000	0 041	25 19	2 26E-01	1 47

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-0 012	11 0333	662.00000	0 012	25 22	6 61E-02	1 31
680 000	-0 028	11 3667	682.00000	0 028	25 20	1 54E-01	1 39
700 000	-0 044	11 7000	702.00000	0 044	25 18	2.43E-01	1 48
720 000	-0 063	12.0333	722.00000	0 063	25 16	3 47E-01	1 59
740 000	-0 072	12.3667	742.00000	0 072	25 16	3 97E-01	1 64
760 000	-0 072	12.7000	762.00000	0 072	25 16	3 97E-01	1 64
780 000	-0 066	13 0333	782.00000	0 066	25 16	3 64E-01	1 60
800 000	-0 047	13 3667	802.00000	0 047	25 18	2.59E-01	1 50
820 000	-0 022	13 7000	822.00000	0 022	25 21	1 21E-01	1 36
840 000	-0 053	14 0333	842.00000	0 053	25 17	2.92E-01	1 53
860 000	-0 082	14 3667	862.00000	0 082	25 15	4 52E-01	1 69
880 000	-0 041	14 7000	882.00000	0 041	25 19	2.26E-01	1 47
900 000	-0 069	15 0333	902.00000	0 069	25 16	3 80E-01	1 62
920 000	-0 091	15 3667	922.00000	0 091	25 14	5 02E-01	1 74
940 000	-0 034	15 7000	942.00000	0 034	25 19	1 87E-01	1 43
960 000	-0 044	16 0333	962.00000	0 044	25 18	2 43E-01	1 48
980 000	-0 069	16 3667	982.00000	0 069	25 16	3 80E-01	1 62
1000 000	-0 082	16 7000	1002.00000	0 082	25 15	4 52E-01	1 69
1200 000	-0 079	20 0333	1202.00000	0 079	25 15	4 35E-01	1 68
1400 000	0 025	23 3667	1402.00000	-0 025	25 25	-1 38E-01	1 10
1600 000	-0 063	26 7000	1602.00000	0 063	25 16	3 47E-01	1 59
1800 000	-0 063	30 0333	1802.00000	0 063	25 16	3 47E-01	1 59
2000 000	-0 145	33 3667	2002.00000	0 145	25 08	7 99E-01	2 04
2200 000	-0 168	36 7000	2202.00000	0 168	25 06	9 26E-01	2 17
2400 000	-0 190	40 0333	2402.00000	0 190	25 04	1 05E+00	2 29
2600 000	-0 212	43 3667	2602.00000	0 212	25 02	1 17E+00	2 41
2800 000	-0 228	46 7000	2802.00000	0 228	25 00	1 26E+00	2 50
3000 000	-0 247	50 0333	3002.00000	0 247	24 98	1 36E+00	2 60
3200 000	-0 269	53 3667	3202.00000	0 269	24 96	1 48E+00	2 72
3400 000	-0 294	56 7000	3402.00000	0 294	24 93	1 62E+00	2 86
3600 000	-0 317	60 0333	3602.00000	0 317	24 91	1 75E+00	2 99
3800 000	-0 345	63 3667	3802.00000	0 345	24 88	1 90E+00	3 14
4000 000	-0 370	66 7000	4002.00000	0 370	24 86	2 04E+00	3 28
4200 000	-0 396	70 0333	4202.00000	0 396	24 83	2.18E+00	3 42
4400 000	-0 348	73 3667	4402.00000	0 348	24 88	1 92E+00	3 16
4600 000	-0 415	76 7000	4602.00000	0 415	24 81	2 29E+00	3 53
4800 000	-0 551	80 0333	4802.00000	0 551	24 68	3 04E+00	4 28
5000 000	-0 504	83 3667	5002.00000	0 504	24 72	2.78E+00	4 02
5200 000	-0 535	86 7000	5202.00000	0 535	24 69	2 95E+00	4 19
5400 000	-0 570	90 0333	5402.00000	0 570	24 66	3 14E+00	4 38
5600 000	-0 602	93 3667	5602.00000	0 602	24 63	3 32E+00	4 56
5800 000	-0 551	96 7000	5802.00000	0 551	24 68	3 04E+00	4 28
6000 000	-0 656	100 0333	6002.00000	0 656	24 57	3 62E+00	4 86
6200 000	-0 586	103 3667	6202.00000	0 586	24 64	3 23E+00	4 47
6400 000	-0 729	106 7000	6402.00000	0 729	24 50	4 02E+00	5 26
6600 000	-0 767	110 0333	6602.00000	0 767	24 46	4 23E+00	5 47
6800 000	-0 798	113 3667	6802.00000	0 798	24 43	4 40E+00	5 64
7000 000	-0 830	116 7000	7002.00000	0 830	24 40	4 58E+00	5 82
7200 000	-0 865	120 0333	7202.00000	0 865	24 36	4 77E+00	6 01
7400 000	-0 894	123 3667	7402.00000	0 894	24 33	4 93E+00	6 17
7600 000	-0 760	126 7000	7602.00000	0 760	24 47	4 19E+00	5 43
7800 000	-0 970	130 0333	7802.00000	0 970	24 26	5 35E+00	6 59
8000 000	-1 005	133 3667	8002.00000	1 005	24 22	5 54E+00	6 78
8200 000	-1 039	136 7000	8202.00000	1 039	24 19	5 73E+00	6 97
8400 000	-1 071	140 0333	8402.00000	1 071	24 16	5 90E+00	7 14
8600 000	-1 097	143 3667	8602.00000	1 097	24 13	6 05E+00	7 29
8800 000	-1 125	146 7000	8802.00000	1 125	24 10	6 20E+00	7 44
9000 000	-1 157	150 0333	9002.00000	1 157	24 07	6 38E+00	7 62
9200 000	-1 312	153 3667	9202.00000	1 312	23 92	7 23E+00	8 47
9400 000	-1 208	156 7000	9402.00000	1 208	24 02	6 66E+00	7 90
9600 000	-1 230	160 0333	9602.00000	1 230	24 00	6 78E+00	8 02
9800 000	-1 252	163 3667	9802.00000	1 252	23 98	6 90E+00	8 14
10000 000	-1 271	166 7000	10002.00000	1 271	23 96	7 01E+00	8 25
11440 000	-1 379	190 7000	11442.00000	1 379	23 85	7 60E+00	8 84
12880 000	-1 445	214 7000	12882.00000	1 445	23 78	7 97E+00	9 21
14320 000	-1 474	238 7000	14322.00000	1 474	23 75	8 13E+00	9 37
15760 000	-1 541	262 7000	15762.00000	1 541	23 69	8 49E+00	9 74
17200 000	-1 607	286 7000	17202.00000	1 607	23 62	8 86E+00	10 10

Well No. 10492
 Measured recovery after sampling Date: 26-May-94
 2nd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well Water Level
 Volume



F 0777

Well No.

10492

Date Sampled

2 nd quarter
26-May-94

Final ball time	10:40	Delay	2 00	Minutes
Set transducer time	10:42			
Static Water Level (pre-sampling)	30.6	feet below top of casing		
Final water level (post-sampling)	30.5	feet below top of casing		
Last recorded water level	-3.6	feet below transducer		
Transducer Reference Depth	34.1	feet below top of casing		
Bottom of well	34.3	feet below top of casing		
First recorded water level	-0.7	feet below transducer		
First recorded water level	33.4	feet below top of casing		
Water column remaining in casing after purging	1.0	feet		
Volume remaining in casing after purging	0.6	liters		
Well Diameter	7.0	inches	0.583	feet
Well Radius	3.5	inches	0.292	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	24.6	feet below top of casing		
			0.62	liter/foot
			3.05	liter/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final ball (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0.715	0 0333	2 00000	0 715	33 37		
0 003	-0.719	0 0334	2 00330	0 719	33 37	2 19E+00	2 79
0 007	-0.719	0 0334	2 00660	0 719	33 37	2 19E+00	2 79
0 010	-0.719	0 0335	2 01000	0 719	33 37	2 19E+00	2 79
0 013	-0.719	0 0336	2 01330	0 719	33 37	2 19E+00	2 79
0 017	-0.722	0 0336	2 01660	0 722	33 36	2 20E+00	2 80
0 020	-0.722	0 0337	2 02000	0 722	33 36	2 20E+00	2 80
0 023	-0.722	0 0337	2 02330	0 722	33 36	2 20E+00	2 80
0 027	-0.725	0 0338	2 02660	0 725	33 36	2 21E+00	2 81
0 030	-0.725	0 0338	2 03000	0 725	33 36	2 21E+00	2 81
0 033	-0.725	0 0339	2 03330	0 725	33 36	2 21E+00	2 81
0 037	-0.725	0 0339	2 03660	0 725	33 36	2 21E+00	2 81
0 040	-0.725	0 0340	2 04000	0 725	33 36	2 21E+00	2 81
0 043	-0.728	0 0341	2 04330	0 728	33 36	2 22E+00	2 81
0 047	-0.728	0 0341	2 04660	0 728	33 36	2 22E+00	2 81
0 050	-0.728	0 0342	2 05000	0 728	33 36	2 22E+00	2 81
0 053	-0.728	0 0342	2 05330	0 728	33 36	2 22E+00	2 81
0 057	-0.728	0 0343	2 05660	0 728	33 36	2 22E+00	2 81
0 060	-0.731	0 0343	2 06000	0 731	33 35	2 23E+00	2 82
0 063	-0.731	0 0344	2 06330	0 731	33 35	2 23E+00	2 82
0 067	-0.731	0 0344	2 06660	0 731	33 35	2 23E+00	2 82
0 070	-0.731	0 0345	2 07000	0 731	33 35	2 23E+00	2 82
0 073	-0.735	0 0346	2 07330	0 735	33 35	2 24E+00	2 84
0 077	-0.735	0 0346	2 07660	0 735	33 35	2 24E+00	2 84
0 080	-0.735	0 0347	2 08000	0 735	33 35	2 24E+00	2 84
0 083	-0.735	0 0347	2 08330	0 735	33 35	2 24E+00	2 84
0 087	-0.735	0 0348	2 08660	0 735	33 35	2 24E+00	2 84
0 090	-0.735	0 0348	2 09000	0 735	33 35	2 24E+00	2 84
0 093	-0.738	0 0349	2 09330	0 738	33 35	2 25E+00	2 85
0 097	-0.738	0 0349	2 09660	0 738	33 35	2 25E+00	2 85
0 100	-0.738	0 0350	2 10000	0 738	33 35	2 25E+00	2 85
0 103	-0.738	0 0351	2 10330	0 738	33 35	2 25E+00	2 85
0 107	-0.741	0 0351	2 10660	0 741	33 34	2 26E+00	2 85
0 110	-0.741	0 0352	2 11000	0 741	33 34	2 26E+00	2 85
0 113	-0.741	0 0352	2 11330	0 741	33 34	2 26E+00	2 85
0 117	-0.741	0 0353	2 11660	0 741	33 34	2 26E+00	2 85
0 120	-0.744	0 0353	2 12000	0 744	33 34	2 27E+00	2 86
0 123	-0.744	0 0354	2 12330	0 744	33 34	2 27E+00	2 86

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-0 744	0 0355	2.13000	0 744	33 34	2 27E+00	2 86
0 133	-0 744	0 0356	2.13330	0 744	33 34	2 27E+00	2 86
0 137	-0 747	0 0356	2.13660	0 747	33 34	2.28E+00	2 87
0 140	-0 747	0 0357	2.14000	0 747	33 34	2.28E+00	2 87
0 143	-0 747	0 0357	2.14330	0 747	33 34	2.28E+00	2 87
0 147	-0 747	0 0358	2.14660	0 747	33 34	2.28E+00	2 87
0 150	-0 747	0 0358	2.15000	0 747	33 34	2.28E+00	2 87
0 153	-0 750	0 0359	2.15330	0 750	33 33	2.29E+00	2 88
0 157	-0 750	0 0359	2.15660	0 750	33 33	2.29E+00	2 88
0 160	-0 750	0 0360	2.16000	0 750	33 33	2.29E+00	2 88
0 163	-0 750	0 0361	2.16330	0 750	33 33	2.29E+00	2 88
0 167	-0 750	0 0361	2.16660	0 750	33 33	2.29E+00	2 88
0 170	-0 754	0 0362	2.17000	0 754	33 33	2.30E+00	2 89
0 173	-0 754	0 0362	2.17330	0 754	33 33	2.30E+00	2 89
0 177	-0 754	0 0363	2.17660	0 754	33 33	2.30E+00	2 89
0 180	-0 754	0 0363	2.18000	0 754	33 33	2.30E+00	2 89
0 183	-0 757	0 0364	2.18330	0 757	33 33	2.31E+00	2 90
0 187	-0 757	0 0364	2.18660	0 757	33 33	2.31E+00	2 90
0 190	-0 757	0 0365	2.19000	0 757	33 33	2.31E+00	2 90
0 193	-0 757	0 0366	2.19330	0 757	33 33	2.31E+00	2 90
0 197	-0 760	0 0366	2.19660	0 760	33 32	2.32E+00	2 91
0 200	-0 760	0 0367	2.20000	0 760	33 32	2.32E+00	2 91
0 203	-0 760	0 0367	2.20330	0 760	33 32	2.32E+00	2 91
0 207	-0 760	0 0368	2.20660	0 760	33 32	2.32E+00	2 91
0 210	-0 760	0 0368	2.21000	0 760	33 32	2.32E+00	2 91
0 213	-0 763	0 0369	2.21330	0 763	33 32	2.33E+00	2 92
0 217	-0 763	0 0369	2.21660	0 763	33 32	2.33E+00	2 92
0 220	-0 763	0 0370	2.22000	0 763	33 32	2.33E+00	2 92
0 223	-0 763	0 0371	2.22330	0 763	33 32	2.33E+00	2 92
0 227	-0 766	0 0371	2.22660	0 766	33 32	2.34E+00	2 93
0 230	-0 766	0 0372	2.23000	0 766	33 32	2.34E+00	2 93
0 233	-0 766	0 0372	2.23330	0 766	33 32	2.34E+00	2 93
0 237	-0 766	0 0373	2.23660	0 766	33 32	2.34E+00	2 93
0 240	-0 766	0 0373	2.24000	0 766	33 32	2.34E+00	2 93
0 243	-0 770	0 0374	2.24330	0 770	33 31	2.35E+00	2 94
0 247	-0 770	0 0374	2.24660	0 770	33 31	2.35E+00	2 94
0 250	-0 770	0 0375	2.25000	0 770	33 31	2.35E+00	2 94
0 253	-0 770	0 0376	2.25330	0 770	33 31	2.35E+00	2 94
0 257	-0 773	0 0376	2.25660	0 773	33 31	2.36E+00	2 95
0 260	-0 773	0 0377	2.26000	0 773	33 31	2.36E+00	2 95
0 263	-0 773	0 0377	2.26330	0 773	33 31	2.36E+00	2 95
0 267	-0 773	0 0378	2.26660	0 773	33 31	2.36E+00	2 95
0 270	-0 773	0 0378	2.27000	0 773	33 31	2.36E+00	2 95
0 273	-0 776	0 0379	2.27330	0 776	33 31	2.37E+00	2 96
0 277	-0 776	0 0379	2.27660	0 776	33 31	2.37E+00	2 96
0 280	-0 776	0 0380	2.28000	0 776	33 31	2.37E+00	2 96
0 283	-0 776	0 0381	2.28330	0 776	33 31	2.37E+00	2 96
0 287	-0 779	0 0381	2.28660	0 779	33 31	2.38E+00	2 97
0 290	-0 779	0 0382	2.29000	0 779	33 31	2.38E+00	2 97
0 293	-0 779	0 0382	2.29330	0 779	33 31	2.38E+00	2 97
0 297	-0 779	0 0383	2.29660	0 779	33 31	2.38E+00	2 97
0 300	-0 779	0 0383	2.30000	0 779	33 31	2.38E+00	2 97
0 303	-0 779	0 0384	2.30330	0 779	33 31	2.38E+00	2 97
0 307	-0 779	0 0384	2.30660	0 779	33 31	2.38E+00	2 97
0 310	-0 782	0 0385	2.31000	0 782	33 30	2.39E+00	2 98
0 313	-0 782	0 0386	2.31330	0 782	33 30	2.39E+00	2 98
0 317	-0 782	0 0386	2.31660	0 782	33 30	2.39E+00	2 98
0 320	-0 785	0 0387	2.32000	0 785	33 30	2.39E+00	2 99
0 323	-0 785	0 0387	2.32330	0 785	33 30	2.39E+00	2 99
0 327	-0 785	0 0388	2.32660	0 785	33 30	2.39E+00	2 99
0 330	-0 785	0 0388	2.33000	0 785	33 30	2.39E+00	2 99
0 333	-0 785	0 0389	2.33330	0 785	33 30	2.39E+00	2 99
0 350	-0 789	0 0392	2.35000	0 789	33 30	2.41E+00	3 00
0 367	-0 792	0 0394	2.36660	0 792	33 29	2.42E+00	3 01
0 383	-0 795	0 0397	2.38330	0 795	33 29	2.43E+00	3 02
0 400	-0 798	0 0400	2.40000	0 798	33 29	2.43E+00	3 03
0 417	-0 801	0 0403	2.41660	0 801	33 28	2.44E+00	3 04
0 433	-0 808	0 0406	2.43330	0 808	33 28	2.45E+00	3 06
0 450	-0 811	0 0408	2.45000	0 811	33 27	2.47E+00	3 07
0 467	-0 814	0 0411	2.46660	0 814	33 27	2.48E+00	3 08
0 483	-0 817	0 0414	2.48330	0 817	33 27	2.49E+00	3 09
0 500	-0 821	0 0417	2.50000	0 821	33 26	2.50E+00	3 10
0 517	-0 824	0 0419	2.51660	0 824	33 26	2.51E+00	3 11

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 824	0 0422	2.53330	0 824	33 26	2.51E+00	3 11
0 550	-0 827	0 0425	2.55000	0 827	33 26	2.52E+00	3 12
0 567	-0 830	0 0428	2.56660	0 830	33 25	2.53E+00	3 13
0 583	-0 833	0 0431	2.58330	0 833	33 25	2.54E+00	3 13
0 600	-0 836	0 0433	2.60000	0 836	33 25	2.55E+00	3 14
0 617	-0 840	0 0436	2.61660	0 840	33 24	2.56E+00	3 16
0 633	-0 843	0 0439	2.63330	0 843	33 24	2.57E+00	3 17
0 650	-0 846	0 0442	2.65000	0 846	33 24	2.58E+00	3 17
0 667	-0 846	0 0444	2.66660	0 846	33 24	2.58E+00	3 17
0 683	-0 849	0 0447	2.68330	0 849	33 24	2.59E+00	3 18
0 700	-0 852	0 0450	2.70000	0 852	33 23	2.60E+00	3 19
0 717	-0 856	0 0453	2.71660	0 856	33 23	2.61E+00	3 21
0 733	-0 859	0 0456	2.73330	0 859	33 23	2.62E+00	3 21
0 750	-0 859	0 0458	2.75000	0 859	33 23	2.62E+00	3 21
0 767	-0 862	0 0461	2.76660	0 862	33 22	2.63E+00	3 22
0 783	-0 865	0 0464	2.78330	0 865	33 22	2.64E+00	3 23
0 800	-0 868	0 0467	2.80000	0 868	33 22	2.65E+00	3 24
0 817	-0 871	0 0469	2.81660	0 871	33 21	2.66E+00	3 25
0 833	-0 871	0 0472	2.83330	0 871	33 21	2.66E+00	3 25
0 850	-0 875	0 0475	2.85000	0 875	33 21	2.67E+00	3 26
0 867	-0 878	0 0478	2.86660	0 878	33 21	2.68E+00	3 27
0 883	-0 881	0 0481	2.88330	0 881	33 20	2.69E+00	3 28
0 900	-0 881	0 0483	2.90000	0 881	33 20	2.69E+00	3 28
0 917	-0 884	0 0486	2.91660	0 884	33 20	2.70E+00	3 29
0 933	-0 887	0 0489	2.93330	0 887	33 20	2.71E+00	3 30
0 950	-0 891	0 0492	2.95000	0 891	33 19	2.72E+00	3 31
0 967	-0 894	0 0494	2.96660	0 894	33 19	2.73E+00	3 32
0 983	-0 894	0 0497	2.98330	0 894	33 19	2.73E+00	3 32
1 000	-0 897	0 0500	3 00000	0 897	33 19	2.74E+00	3 33
1 200	-0 929	0 0533	3 20000	0 929	33 16	2.83E+00	3 43
1 400	-0 957	0 0567	3 40000	0 957	33 13	2.92E+00	3 51
1 600	-0 983	0 0600	3 60000	0 983	33 10	3 00E+00	3 59
1 800	-1 008	0 0633	3 80000	1 008	33 08	3 08E+00	3 67
2 000	-1 031	0 0667	4 00000	1 031	33 05	3 15E+00	3 74
2 200	-1 059	0 0700	4 20000	1 059	33 03	3 23E+00	3 82
2 400	-1 081	0 0733	4 40000	1 081	33 00	3 30E+00	3 89
2 600	-1 101	0 0767	4 60000	1 101	32 98	3 36E+00	3 95
2 800	-1 123	0 0800	4 80000	1 123	32 96	3 43E+00	4 02
3 000	-1 142	0 0833	5 00000	1 142	32 94	3 48E+00	4 08
3 200	-1 164	0 0867	5 20000	1 164	32 92	3 55E+00	4 14
3 400	-1 183	0 0900	5 40000	1 183	32 90	3 61E+00	4 20
3 600	-1 199	0 0933	5 60000	1 199	32 89	3 66E+00	4 25
3 800	-1 222	0 0967	5 80000	1 222	32 86	3 73E+00	4 32
4 000	-1 237	0 1000	6 00000	1 237	32 85	3 77E+00	4 37
4 200	-1 260	0 1033	6 20000	1 260	32 82	3 84E+00	4 44
4 400	-1 276	0 1067	6 40000	1 276	32 81	3 89E+00	4 49
4 600	-1 292	0 1100	6 60000	1 292	32 79	3 94E+00	4 54
4 800	-1 311	0 1133	6 80000	1 311	32 77	4 00E+00	4 59
5 000	-1 323	0 1167	7 00000	1 323	32 76	4 04E+00	4 63
5 200	-1 343	0 1200	7 20000	1 343	32 74	4 10E+00	4 69
5 400	-1 358	0 1233	7 40000	1 358	32 73	4 14E+00	4 74
5 600	-1 374	0 1267	7 60000	1 374	32 71	4 19E+00	4 79
5 800	-1 387	0 1300	7 80000	1 387	32 70	4 23E+00	4 82
6 000	-1 400	0 1333	8 00000	1 400	32 68	4 27E+00	4 86
6 200	-1 409	0 1367	8 20000	1 409	32 68	4 30E+00	4 89
6 400	-1 419	0 1400	8 40000	1 419	32 67	4 33E+00	4 92
6 600	-1 428	0 1433	8 60000	1 428	32 66	4 36E+00	4 95
6 800	-1 438	0 1467	8 80000	1 438	32 65	4 39E+00	4 98
7 000	-1 448	0 1500	9 00000	1 448	32 64	4 42E+00	5 01
7 200	-1 454	0 1533	9 20000	1 454	32 63	4 44E+00	5 03
7 400	-1 463	0 1567	9 40000	1 463	32 62	4 46E+00	5 06
7 600	-1 470	0 1600	9 60000	1 470	32 61	4 48E+00	5 08
7 800	-1 479	0 1633	9 80000	1 479	32 61	4 51E+00	5 11
8 000	-1 486	0 1667	10 00000	1 486	32 60	4 53E+00	5 13
8 200	-1 492	0 1700	10 20000	1 492	32 59	4 55E+00	5 15
8 400	-1 498	0 1733	10 40000	1 498	32 59	4 57E+00	5 16
8 600	-1 505	0 1767	10 60000	1 505	32 58	4 59E+00	5 18
8 800	-1 511	0 1800	10 80000	1 511	32 57	4 61E+00	5 20
9 000	-1 518	0 1833	11 00000	1 518	32 57	4 63E+00	5 22
9 200	-1 524	0 1867	11 20000	1 524	32 56	4 65E+00	5 24
9 400	-1 527	0 1900	11 40000	1 527	32 56	4 66E+00	5 25
9 600	-1 534	0 1933	11 60000	1 534	32 55	4 68E+00	5 27
9 800	-1 540	0 1967	11 80000	1 540	32 54	4 70E+00	5 29

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-1 543	0 2000	12.00000	1 543	32.54	4 71E+00	5 30
12.000	-1 584	0 2333	14.00000	1 584	32.50	4 83E+00	5 43
14 000	-1 619	0 2667	16.00000	1 619	32.47	4 94E+00	5 53
16.000	-1 651	0 3000	18.00000	1 651	32.43	5 04E+00	5 63
18 000	-1 680	0 3333	20.00000	1 680	32.40	5 13E+00	5 72
20 000	-1 705	0 3667	22.00000	1 705	32.38	5 20E+00	5 80
22 000	-1 731	0 4000	24.00000	1 731	32.35	5 28E+00	5 87
24 000	-1 753	0 4333	26.00000	1 753	32.33	5 35E+00	5 94
26 000	-1 772	0 4667	28.00000	1 772	32.31	5 41E+00	6 00
28 000	-1 791	0 5000	30.00000	1 791	32.29	5 46E+00	6 06
30 000	-1 814	0 5333	32.00000	1 814	32.27	5 53E+00	6 13
32.000	-1 830	0 5667	34.00000	1 830	32.25	5 58E+00	6 18
34 000	-1 849	0 6000	36.00000	1 849	32.24	5 64E+00	6.23
36 000	-1 865	0 6333	38.00000	1 865	32.22	5 69E+00	6 28
38 000	-1 881	0 6667	40.00000	1 881	32.20	5 74E+00	6 33
40 000	-1 896	0 7000	42.00000	1 896	32.19	5 78E+00	6 38
42 000	-1 912	0 7333	44.00000	1 912	32.17	5 83E+00	6 43
44 000	-1 928	0 7667	46.00000	1 928	32.16	5 88E+00	6 48
46 000	-1 944	0 8000	48.00000	1 944	32.14	5 93E+00	6 52
48 000	-1 957	0 8333	50.00000	1 957	32.13	5 97E+00	6 56
50 000	-1 970	0 8667	52.00000	1 970	32.11	6 01E+00	6 60
52 000	-1 982	0 9000	54.00000	1 982	32.10	6 05E+00	6 64
54 000	-1 998	0 9333	56.00000	1 998	32.09	6 10E+00	6 69
56 000	-2 008	0 9667	58.00000	2.008	32.08	6 13E+00	6 72
58 000	-2 021	1 0000	60.00000	2.021	32.06	6 17E+00	6 76
60 000	-2.033	1 0333	62.00000	2 033	32.05	6 20E+00	6 80
62.000	-2 043	1 0667	64.00000	2.043	32.04	6.23E+00	6 83
64 000	-2 056	1 1000	66.00000	2 056	32.03	6 27E+00	6 87
66 000	-2 068	1 1333	68.00000	2 068	32.02	6 31E+00	6 90
68 000	-2.078	1 1667	70.00000	2.078	32.01	6 34E+00	6 93
70 000	-2.087	1 2000	72.00000	2.087	32.00	6 37E+00	6 96
72 000	-2.100	1 2333	74.00000	2 100	31.98	6 41E+00	7 00
74 000	-2.110	1 2667	76.00000	2.110	31.97	6 44E+00	7 03
76 000	-2.119	1 3000	78.00000	2.119	31.97	6 46E+00	7 06
78 000	-2.132	1 3333	80.00000	2.132	31.95	6 50E+00	7 10
80 000	-2 142	1 3667	82.00000	2.142	31.94	6 53E+00	7 13
82.000	-2 151	1 4000	84.00000	2.151	31.93	6 56E+00	7 16
84 000	-2 161	1 4333	86.00000	2.161	31.92	6 59E+00	7 19
86 000	-2 170	1 4667	88.00000	2 170	31.91	6 62E+00	7 21
88 000	-2 180	1 5000	90.00000	2 180	31.90	6 65E+00	7 24
90 000	-2 189	1 5333	92.00000	2 189	31.90	6 68E+00	7 27
92 000	-2 202	1 5667	94.00000	2.202	31.88	6 72E+00	7 31
94 000	-2.212	1 6000	96.00000	2.212	31.87	6 75E+00	7 34
96 000	-2.221	1 6333	98.00000	2.221	31.86	6 78E+00	7 37
98 000	-2.228	1 6667	100.00000	2.228	31.86	6 80E+00	7 39
100 000	-2.237	1 7000	102.00000	2.237	31.85	6 82E+00	7 42
120 000	-2.326	2 0333	122.00000	2.326	31.76	7 10E+00	7 69
140 000	-2 406	2.3667	142.00000	2 406	31.68	7 34E+00	7 93
160 000	-2 479	2.7000	162.00000	2.479	31.61	7 56E+00	8 16
180 000	-2.549	3 0333	182.00000	2.549	31.54	7 78E+00	8 37
200 000	-2 613	3 3667	202.00000	2 613	31.47	7 97E+00	8 57
220 000	-2 661	3 7000	222.00000	2.661	31.42	8 12E+00	8 71
240 000	-2 705	4 0333	242.00000	2.705	31.38	8 25E+00	8 85
260 000	-2.740	4 3667	262.00000	2 740	31.34	8 36E+00	8 95
280 000	-2 775	4 7000	282.00000	2 775	31.31	8 47E+00	9 06
300 000	-2 807	5 0333	302.00000	2 807	31.28	8 56E+00	9 16
320 000	-2 836	5 3667	322.00000	2 836	31.25	8 65E+00	9 25
340 000	-2 864	5 7000	342.00000	2 864	31.22	8 74E+00	9 33
360 000	-2 890	6 0333	362.00000	2.890	31.19	8 82E+00	9 41
380 000	-2.912	6 3667	382.00000	2 912	31.17	8 88E+00	9 48
400 000	-2 938	6 7000	402.00000	2 938	31.15	8 96E+00	9 56
420 000	-2 960	7 0333	422.00000	2 960	31.12	9 03E+00	9 62
440 000	-2 979	7 3667	442.00000	2 979	31.11	9 09E+00	9 68
460 000	-3 001	7 7000	462.00000	3 001	31.08	9 15E+00	9 75
480 000	-3 020	8 0333	482.00000	3 020	31.06	9 21E+00	9 81
500 000	-3 040	8 3667	502.00000	3 040	31.04	9 27E+00	9 87
520 000	-3 056	8 7000	522.00000	3 056	31.03	9 32E+00	9 92
540 000	-3 075	9 0333	542.00000	3 075	31.01	9 38E+00	9 97
560 000	-3 091	9 3667	562.00000	3 091	30.99	9 43E+00	10 02
580 000	-3 107	9 7000	582.00000	3 107	30.98	9 48E+00	10 07
600 000	-3 126	10 0333	602.00000	3 126	30.96	9 54E+00	10 13
620 000	-3 142	10 3667	622.00000	3 142	30.94	9 59E+00	10 18
640 000	-3 154	10 7000	642.00000	3 154	30.93	9 62E+00	10 22

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-3 167	11 0333	662 00000	3 167	30 92	9 66E+00	10 26
680 000	-3 183	11 3667	682 00000	3 183	30 90	9 71E+00	10 30
700 000	-3 196	11 7000	702 00000	3 196	30 89	9 75E+00	10 34
720 000	-3 208	12 0333	722 00000	3 208	30 88	9 79E+00	10 38
740 000	-3 221	12 3667	742 00000	3 221	30 86	9 83E+00	10 42
760 000	-3 234	12 7000	762 00000	3 234	30 85	9 87E+00	10 46
780 000	-3 243	13 0333	782 00000	3 243	30 84	9 89E+00	10 49
800 000	-3 256	13 3667	802 00000	3 256	30 83	9 93E+00	10 53
820 000	-3 266	13 7000	822 00000	3 266	30 82	9 96E+00	10 56
840 000	-3 275	14 0333	842 00000	3 275	30 81	9 99E+00	10 58
860 000	-3 282	14 3667	862 00000	3 282	30 80	1 00E+01	10 61
880 000	-3 291	14 7000	882 00000	3 291	30 79	1 00E+01	10 63
900 000	-3 301	15 0333	902 00000	3 301	30 78	1 01E+01	10 66
920 000	-3 307	15 3667	922 00000	3 307	30 78	1 01E+01	10 68
940 000	-3 317	15 7000	942 00000	3 317	30 77	1 01E+01	10 71
960 000	-3 323	16 0333	962 00000	3 323	30 76	1 01E+01	10 73
980 000	-3 333	16 3667	982 00000	3 333	30 75	1 02E+01	10 76
1000 000	-3 339	16 7000	1002 00000	3 339	30 75	1 02E+01	10 78
1200 000	-3 384	20 0333	1202 00000	3 384	30 70	1 03E+01	10 92
1400 000	-3 409	23 3667	1402 00000	3 409	30 68	1 04E+01	10 99
1600 000	-3 435	26 7000	1602 00000	3 435	30 65	1 05E+01	11 07
1800 000	-3 463	30 0333	1802 00000	3 463	30 62	1 06E+01	11 16
2000 000	-3 476	33 3667	2002 00000	3 476	30 61	1 06E+01	11 20
2200 000	-3 476	36 7000	2202 00000	3 476	30 61	1 06E+01	11 20
2400 000	-3 479	40 0333	2402 00000	3 479	30 61	1 06E+01	11 21
2600 000	-3 470	43 3667	2602 00000	3 470	30 61	1 06E+01	11 18
2800 000	-3 457	46 7000	2802 00000	3 457	30 63	1 05E+01	11 14
3000 000	-3 463	50 0333	3002 00000	3 463	30 62	1 06E+01	11 16
3200 000	-3 466	53 3667	3202 00000	3 466	30 62	1 06E+01	11 17
3400 000	-3 466	56 7000	3402 00000	3 466	30 62	1 06E+01	11 17
3600 000	-3 470	60 0333	3602 00000	3 470	30 61	1 06E+01	11 18
3800 000	-3 482	63 3667	3802 00000	3 482	30 60	1 06E+01	11 22
4000 000	-3 482	66 7000	4002 00000	3 482	30 60	1 06E+01	11 22
4200 000	-3 473	70 0333	4202 00000	3 473	30 61	1 06E+01	11 19
4400 000	-3 470	73 3667	4402 00000	3 470	30 61	1 06E+01	11 18
4600 000	-3 482	76 7000	4602 00000	3 482	30 60	1 06E+01	11 22
4800 000	-3 492	80 0333	4802 00000	3 492	30 59	1 07E+01	11 25
5000 000	-3 489	83 3667	5002 00000	3 489	30 60	1 06E+01	11 24
5200 000	-3 482	86 7000	5202 00000	3 482	30 60	1 06E+01	11 22
5400 000	-3 489	90 0333	5402 00000	3 489	30 60	1 06E+01	11 24
5600 000	-3 473	93 3667	5602 00000	3 473	30 61	1 06E+01	11 19
5800 000	-3 466	96 7000	5802 00000	3 466	30 62	1 06E+01	11 17
6000 000	-3 473	100 0333	6002 00000	3 473	30 61	1 06E+01	11 19
6200 000	-3 486	103 3667	6202 00000	3 486	30 60	1 06E+01	11 23
6400 000	-3 482	106 7000	6402 00000	3 482	30 60	1 06E+01	11 22
6600 000	-3 473	110 0333	6602 00000	3 473	30 61	1 06E+01	11 19
6800 000	-3 435	113 3667	6802 00000	3 435	30 65	1 05E+01	11 07
7000 000	-3 406	116 7000	7002 00000	3 406	30 68	1 04E+01	10 98
7200 000	-3 409	120 0333	7202 00000	3 409	30 68	1 04E+01	10 99
7400 000	-3 431	123 3667	7402 00000	3 431	30 65	1 05E+01	11 06
7600 000	-3 463	126 7000	7602 00000	3 463	30 62	1 06E+01	11 16
7800 000	-3 486	130 0333	7802 00000	3 486	30 60	1 06E+01	11 23
8000 000	-3 492	133 3667	8002 00000	3 492	30 59	1 07E+01	11 25
8200 000	-3 498	136 7000	8202 00000	3 498	30 59	1 07E+01	11 26
8400 000	-3 498	140 0333	8402 00000	3 498	30 59	1 07E+01	11 26
8600 000	-3 498	143 3667	8602 00000	3 498	30 59	1 07E+01	11 26
8800 000	-3 501	146 7000	8802 00000	3 501	30 58	1 07E+01	11 27
9000 000	-3 508	150 0333	9002 00000	3 508	30 58	1 07E+01	11 30
9200 000	-3 505	153 3667	9202 00000	3 505	30 58	1 07E+01	11 29
9400 000	-3 476	156 7000	9402 00000	3 476	30 61	1 06E+01	11 20
9600 000	-3 463	160 0333	9602 00000	3 463	30 62	1 06E+01	11 16
9800 000	-3 463	163 3667	9802 00000	3 463	30 62	1 06E+01	11 16
10000 000	-3 441	166 7000	10002 00000	3 441	30 64	1 05E+01	11 09
11440 000	-3 463	190 7000	11442 00000	3 463	30 62	1 06E+01	11 16
12880 000	-3 530	214 7000	12882 00000	3 530	30 55	1 08E+01	11 36
14320 000	-3 508	238 7000	14322 00000	3 508	30 58	1 07E+01	11 30
15760 000	-3 556	262 7000	15762 00000	3 556	30 53	1 08E+01	11 44
17200 000	-3 584	286 7000	17202 00000	3 584	30 50	1 09E+01	11 53

Well No. 10592

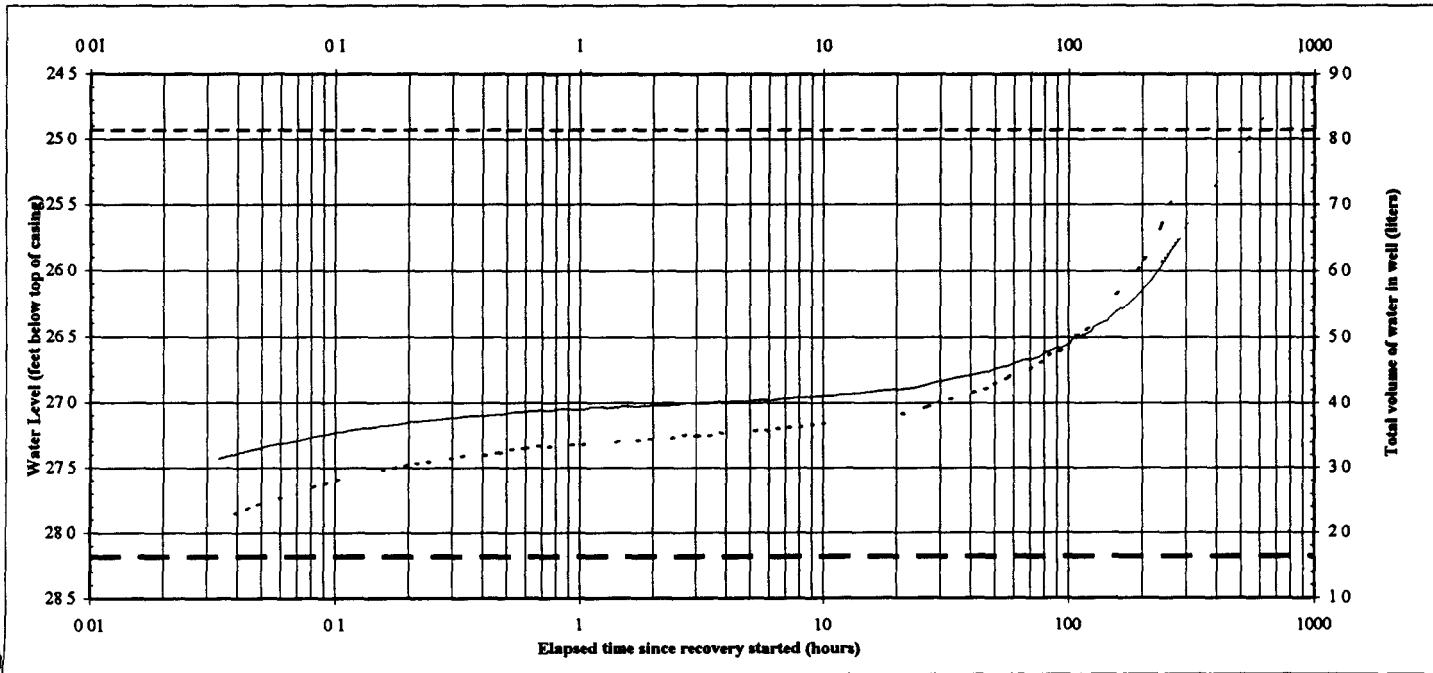
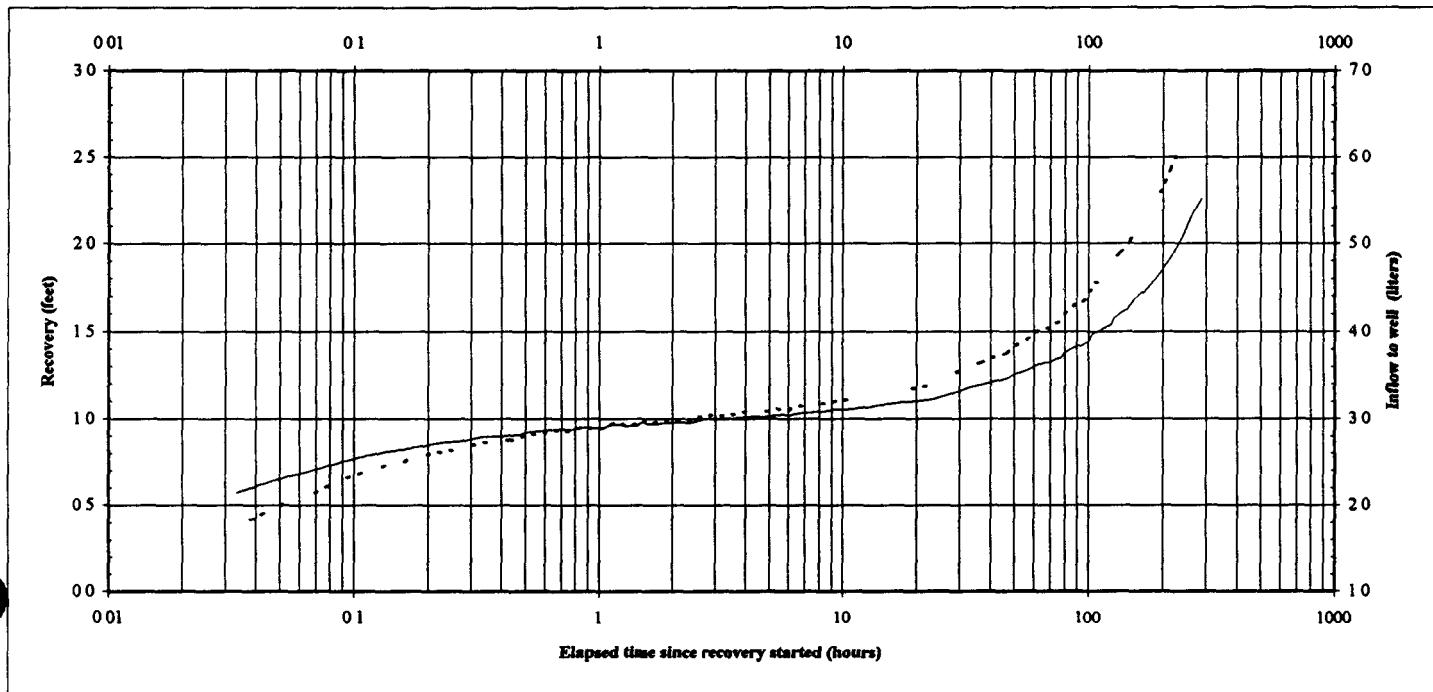
Measured recovery after sampling

Date: 26-May-94

2nd quarter

1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

10592

Date Sampled

2nd quarter

26-May-94

Final bail time	11:07	Delay	2 00	Minutes
Set transducer time	11:09			
Static Water Level (pre-sampling)	24 9	feet below top of casing		
Final water level (post-sampling)	23 7	feet below top of casing		
Last recorded water level	23	feet below transducer		
Transducer Reference Depth	28 0	feet below top of casing		
Bottom of well	28 2	feet below top of casing		
First recorded water level	-0 6	feet below transducer		
First recorded water level	27 4	feet below top of casing		
Water column remaining in casing after purging	0 8	feet		
Volume remaining in casing after purging	0 5	liters		
Well Diameter	7 0	inches	0 583	feet
Well Radius	3 5	inches	0 292	feet
Casing Diameter	2 0	inches	0 167	feet
Casing radius	1 0	inches	0 083	feet
Effective well radius	2 2	inches	0 185	feet
Top of sandpack	4 2	feet below top of casing	0 62	liter/foot
			3 05	liter/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0 572	0 0333	2 00000	0 572	27 43		
0 003	-0 572	0 0334	2 00330	0 572	27 43	1 74E+00	2 21
0 007	-0 572	0 0334	2 00660	0 572	27 43	1 74E+00	2 21
0 010	-0 572	0 0335	2 01000	0 572	27 43	1 74E+00	2 21
0 013	-0 572	0 0336	2 01330	0 572	27 43	1 74E+00	2 21
0 017	-0 572	0 0336	2 01660	0 572	27 43	1 74E+00	2 21
0 020	-0 572	0 0337	2 02000	0 572	27 43	1 74E+00	2 21
0 023	-0 572	0 0337	2 02330	0 572	27 43	1 74E+00	2 21
0 027	-0 576	0 0338	2 02660	0 576	27 42	1 76E+00	2 22
0 030	-0 576	0 0338	2 03000	0 576	27 42	1 76E+00	2 22
0 033	-0 576	0 0339	2 03330	0 576	27 42	1 76E+00	2 22
0 037	-0 576	0 0339	2 03660	0 576	27 42	1 76E+00	2 22
0 040	-0 576	0 0340	2 04000	0 576	27 42	1 76E+00	2 22
0 043	-0 576	0 0341	2 04330	0 576	27 42	1 76E+00	2 22
0 047	-0 576	0 0341	2 04660	0 576	27 42	1 76E+00	2 22
0 050	-0 576	0 0342	2 05000	0 576	27 42	1 76E+00	2 22
0 053	-0 576	0 0342	2 05330	0 576	27 42	1 76E+00	2 22
0 057	-0 576	0 0343	2 05660	0 576	27 42	1 76E+00	2 22
0 060	-0 579	0 0343	2 06000	0 579	27 42	1 77E+00	2 23
0 063	-0 579	0 0344	2 06330	0 579	27 42	1 77E+00	2 23
0 067	-0 579	0 0344	2 06660	0 579	27 42	1 77E+00	2 23
0 070	-0 579	0 0345	2 07000	0 579	27 42	1 77E+00	2 23
0 073	-0 579	0 0346	2 07330	0 579	27 42	1 77E+00	2 23
0 077	-0 579	0 0346	2 07660	0 579	27 42	1 77E+00	2 23
0 080	-0 579	0 0347	2 08000	0 579	27 42	1 77E+00	2 23
0 083	-0 579	0 0347	2 08330	0 579	27 42	1 77E+00	2 23
0 087	-0 579	0 0348	2 08660	0 579	27 42	1 77E+00	2 23
0 090	-0 579	0 0348	2 09000	0 579	27 42	1 77E+00	2 23
0 093	-0 579	0 0349	2 09330	0 579	27 42	1 77E+00	2 23
0 097	-0 582	0 0349	2 09660	0 582	27 42	1 78E+00	2 24
0 100	-0 582	0 0350	2 10000	0 582	27 42	1 78E+00	2 24
0 103	-0 582	0 0351	2 10330	0 582	27 42	1 78E+00	2 24
0 107	-0 582	0 0351	2 10660	0 582	27 42	1 78E+00	2 24
0 110	-0 582	0 0352	2 11000	0 582	27 42	1 78E+00	2 24
0 113	-0 582	0 0352	2 11330	0 582	27 42	1 78E+00	2 24
0 117	-0 582	0 0353	2 11660	0 582	27 42	1 78E+00	2 24
0 120	-0 585	0 0353	2 12000	0 585	27 42	1 78E+00	2 25
0 123	-0 585	0 0354	2 12330	0 585	27 42	1 78E+00	2 25

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-0 585	0 0355	2.13000	0 585	27 42	1 78E+00	2.25
0 133	-0 585	0 0356	2.13330	0 585	27 42	1 78E+00	2.25
0 137	-0 585	0 0356	2.13660	0 585	27 42	1 78E+00	2.25
0 140	-0 585	0 0357	2.14000	0 585	27 42	1 78E+00	2.25
0 143	-0 585	0 0357	2.14330	0 585	27 42	1 78E+00	2.25
0 147	-0 585	0 0358	2.14660	0 585	27 42	1 78E+00	2.25
0.150	-0.585	0 0358	2.15000	0 585	27 42	1 78E+00	2.25
0 153	-0 588	0 0359	2.15330	0 588	27 41	1 79E+00	2.26
0 157	-0 588	0 0359	2.15660	0 588	27 41	1 79E+00	2.26
0 160	-0 588	0 0360	2.16000	0 588	27 41	1 79E+00	2.26
0 163	-0 588	0 0361	2.16330	0 588	27 41	1 79E+00	2.26
0 167	-0 588	0 0361	2.16660	0 588	27 41	1 79E+00	2.26
0 170	-0 588	0 0362	2.17000	0 588	27 41	1 79E+00	2.26
0 173	-0 588	0 0362	2.17330	0 588	27 41	1 79E+00	2.26
0 177	-0 588	0 0363	2.17660	0 588	27 41	1 79E+00	2.26
0 180	-0 588	0 0363	2.18000	0 588	27 41	1 79E+00	2.26
0 183	-0 588	0 0364	2.18330	0 588	27 41	1 79E+00	2.26
0 187	-0 588	0 0364	2.18660	0 588	27 41	1 79E+00	2.26
0 190	-0 591	0 0365	2.19000	0 591	27 41	1 80E+00	2.27
0 193	-0 588	0 0366	2.19330	0 588	27 41	1 79E+00	2.26
0 197	-0 591	0 0366	2.19660	0 591	27 41	1 80E+00	2.27
0 200	-0 591	0 0367	2.20000	0 591	27 41	1 80E+00	2.27
0 203	-0 591	0 0367	2.20330	0 591	27 41	1 80E+00	2.27
0 207	-0 591	0 0368	2.20660	0 591	27 41	1 80E+00	2.27
0 210	-0 591	0 0368	2.21000	0 591	27 41	1 80E+00	2.27
0 213	-0 591	0 0369	2.21330	0 591	27 41	1 80E+00	2.27
0 217	-0 591	0 0369	2.21660	0 591	27 41	1 80E+00	2.27
0 220	-0 591	0 0370	2.22000	0 591	27 41	1 80E+00	2.27
0 223	-0 595	0 0371	2.22330	0 595	27 41	1 82E+00	2.28
0 227	-0 595	0 0371	2.22660	0 595	27 41	1 82E+00	2.28
0 230	-0 595	0 0372	2.23000	0 595	27 41	1 82E+00	2.28
0 233	-0 595	0 0372	2.23330	0 595	27 41	1 82E+00	2.28
0 237	-0 595	0 0373	2.23660	0 595	27 41	1 82E+00	2.28
0 240	-0 595	0 0373	2.24000	0 595	27 41	1 82E+00	2.28
0 243	-0 595	0 0374	2.24330	0 595	27 41	1 82E+00	2.28
0 247	-0 595	0 0374	2.24660	0 595	27 41	1 82E+00	2.28
0 250	-0 598	0 0375	2.25000	0 598	27 40	1 82E+00	2.29
0 253	-0 595	0 0376	2.25330	0 595	27 41	1 82E+00	2.28
0 257	-0 595	0 0376	2.25660	0 595	27 41	1 82E+00	2.28
0 260	-0 598	0 0377	2.26000	0 598	27 40	1 82E+00	2.29
0 263	-0 598	0 0377	2.26330	0 598	27 40	1 82E+00	2.29
0 267	-0 598	0 0378	2.26660	0 598	27 40	1 82E+00	2.29
0 270	-0 598	0 0378	2.27000	0 598	27 40	1 82E+00	2.29
0 273	-0 598	0 0379	2.27330	0 598	27 40	1 82E+00	2.29
0 277	-0 598	0 0379	2.27660	0 598	27 40	1 82E+00	2.29
0 280	-0 598	0 0380	2.28000	0 598	27 40	1 82E+00	2.29
0 283	-0 598	0 0381	2.28330	0 598	27 40	1 82E+00	2.29
0 287	-0 598	0 0381	2.28660	0 598	27 40	1 82E+00	2.29
0 290	-0 601	0 0382	2.29000	0 601	27 40	1 83E+00	2.30
0 293	-0 601	0 0382	2.29330	0 601	27 40	1 83E+00	2.30
0 297	-0 601	0 0383	2.29660	0 601	27 40	1 83E+00	2.30
0 300	-0 601	0 0383	2.30000	0 601	27 40	1 83E+00	2.30
0 303	-0 601	0 0384	2.30330	0 601	27 40	1 83E+00	2.30
0 307	-0 601	0 0384	2.30660	0 601	27 40	1 83E+00	2.30
0 310	-0 601	0 0385	2.31000	0 601	27 40	1 83E+00	2.30
0 313	-0 601	0 0386	2.31330	0 601	27 40	1 83E+00	2.30
0 317	-0 601	0 0386	2.31660	0 601	27 40	1 83E+00	2.30
0 320	-0 601	0 0387	2.32000	0 601	27 40	1 83E+00	2.30
0 323	-0 601	0 0387	2.32330	0 601	27 40	1 83E+00	2.30
0 327	-0 604	0 0388	2.32660	0 604	27 40	1 84E+00	2.31
0 330	-0 604	0 0388	2.33000	0 604	27 40	1 84E+00	2.31
0 333	-0 601	0 0389	2.33330	0 601	27 40	1 83E+00	2.30
0 350	-0 604	0 0392	2.35000	0 604	27 40	1 84E+00	2.31
0 367	-0 607	0 0394	2.36660	0 607	27 39	1 85E+00	2.32
0 383	-0 607	0 0397	2.38330	0 607	27 39	1 85E+00	2.32
0 400	-0 610	0 0400	2.40000	0 610	27 39	1 86E+00	2.33
0 417	-0 610	0 0403	2.41660	0 610	27 39	1 86E+00	2.33
0 433	-0 613	0 0406	2.43330	0 613	27 39	1 87E+00	2.33
0 450	-0 613	0 0408	2.45000	0 613	27 39	1 87E+00	2.33
0 467	-0 617	0 0411	2.46660	0 617	27 38	1 88E+00	2.35
0 483	-0 617	0 0414	2.48330	0 617	27 38	1 88E+00	2.35
0 500	-0 620	0 0417	2.50000	0 620	27 38	1 89E+00	2.36
0 517	-0 620	0 0419	2.51660	0 620	27 38	1 89E+00	2.36

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 620	0 0422	2.53330	0 620	27 38	1 89E+00	2.36
0 550	-0 620	0 0425	2.55000	0 620	27 38	1 89E+00	2.36
0 567	-0 623	0 0428	2.56660	0 623	27 38	1 90E+00	2.37
0 583	-0 626	0 0431	2.58330	0 626	27 37	1 91E+00	2.37
0 600	-0 626	0 0433	2.60000	0 626	27 37	1 91E+00	2.37
0 617	-0 626	0 0436	2.61660	0 626	27 37	1 91E+00	2.37
0 633	-0 629	0 0439	2.63330	0 629	27 37	1 92E+00	2.38
0 650	-0 629	0 0442	2.65000	0 629	27 37	1 92E+00	2.38
0 667	-0 629	0 0444	2.66660	0 629	27 37	1 92E+00	2.38
0 683	-0 632	0 0447	2.68330	0 632	27 37	1 93E+00	2.39
0 700	-0 632	0 0450	2.70000	0 632	27 37	1 93E+00	2.39
0 717	-0 635	0 0453	2.71660	0 635	27 37	1 94E+00	2.40
0 733	-0 635	0 0456	2.73330	0 635	27 37	1 94E+00	2.40
0 750	-0 635	0 0458	2.75000	0 635	27 37	1 94E+00	2.40
0 767	-0 635	0 0461	2.76660	0 635	27 37	1 94E+00	2.40
0 783	-0 639	0 0464	2.78330	0 639	27 36	1 95E+00	2.41
0 800	-0 639	0 0467	2.80000	0 639	27 36	1 95E+00	2.41
0 817	-0 642	0 0469	2.81660	0 642	27 36	1 96E+00	2.42
0 833	-0 642	0 0472	2.83330	0 642	27 36	1 96E+00	2.42
0 850	-0 642	0 0475	2.85000	0 642	27 36	1 96E+00	2.42
0 867	-0 642	0 0478	2.86660	0 642	27 36	1 96E+00	2.42
0 883	-0 642	0 0481	2.88330	0 642	27 36	1 96E+00	2.42
0 900	-0 645	0 0483	2.90000	0 645	27 36	1 97E+00	2.43
0 917	-0 645	0 0486	2.91660	0 645	27 36	1 97E+00	2.43
0 933	-0 648	0 0489	2.93330	0 648	27 35	1 98E+00	2.44
0 950	-0 648	0 0492	2.95000	0 648	27 35	1 98E+00	2.44
0 967	-0 648	0 0494	2.96660	0 648	27 35	1 98E+00	2.44
0 983	-0 648	0 0497	2.98330	0 648	27 35	1 98E+00	2.44
1 000	-0 651	0 0500	3 00000	0 651	27 35	1 99E+00	2.45
1 200	-0 664	0 0533	3 20000	0 664	27 34	2 03E+00	2.49
1 400	-0 673	0 0567	3 40000	0 673	27 33	2 05E+00	2.52
1 600	-0 683	0 0600	3 60000	0 683	27 32	2 08E+00	2.55
1 800	-0 689	0 0633	3 80000	0 689	27 31	2 10E+00	2.57
2.000	-0 698	0 0667	4 00000	0 698	27 30	2 13E+00	2.59
2.200	-0 705	0 0700	4 20000	0 705	27 30	2 15E+00	2.62
2.400	-0 714	0 0733	4 40000	0 714	27 29	2 18E+00	2.64
2.600	-0 724	0 0767	4 60000	0 724	27 28	2 21E+00	2.67
2.800	-0 730	0 0800	4 80000	0 730	27 27	2 23E+00	2.69
3.000	-0 739	0 0833	5 00000	0 739	27 26	2.25E+00	2.72
3.200	-0 746	0 0867	5 20000	0 746	27 25	2.28E+00	2.74
3.400	-0 755	0 0900	5 40000	0 755	27 25	2.30E+00	2.77
3.600	-0 758	0 0933	5 60000	0 758	27 24	2.31E+00	2.78
3.800	-0 765	0 0967	5 80000	0 765	27 24	2.33E+00	2.80
4.000	-0 768	0 1000	6 00000	0 768	27 23	2.34E+00	2.81
4.200	-0 774	0 1033	6 20000	0 774	27 23	2.36E+00	2.83
4.400	-0 777	0 1067	6 40000	0 777	27 22	2.37E+00	2.83
4.600	-0 780	0 1100	6 60000	0 780	27 22	2.38E+00	2.84
4.800	-0 787	0 1133	6 80000	0 787	27 21	2.40E+00	2.87
5.000	-0 790	0 1167	7 00000	0 790	27 21	2.41E+00	2.87
5.200	-0 793	0 1200	7 20000	0 793	27 21	2.42E+00	2.88
5.400	-0 796	0 1233	7 40000	0 796	27 20	2.43E+00	2.89
5.600	-0 799	0 1267	7 60000	0 799	27 20	2.44E+00	2.90
5.800	-0 802	0 1300	7 80000	0 802	27 20	2.45E+00	2.91
6.000	-0 805	0 1333	8 00000	0 805	27 20	2.46E+00	2.92
6.200	-0 809	0 1367	8 20000	0 809	27 19	2.47E+00	2.93
6.400	-0 809	0 1400	8 40000	0 809	27 19	2.47E+00	2.93
6.600	-0 812	0 1433	8 60000	0 812	27 19	2.48E+00	2.94
6.800	-0 815	0 1467	8 80000	0 815	27 19	2.49E+00	2.95
7.000	-0 818	0 1500	9 00000	0 818	27 18	2.50E+00	2.96
7.200	-0 821	0 1533	9 20000	0 821	27 18	2.50E+00	2.97
7.400	-0 821	0 1567	9 40000	0 821	27 18	2.50E+00	2.97
7.600	-0 821	0 1600	9 60000	0 821	27 18	2.50E+00	2.97
7.800	-0 824	0 1633	9 80000	0 824	27 18	2.51E+00	2.98
8.000	-0 828	0 1667	10 00000	0 828	27 17	2.53E+00	2.99
8.200	-0 828	0 1700	10 20000	0 828	27 17	2.53E+00	2.99
8.400	-0 831	0 1733	10 40000	0 831	27 17	2.54E+00	3.00
8.600	-0 834	0 1767	10 60000	0 834	27 17	2.54E+00	3.01
8.800	-0 834	0 1800	10 80000	0 834	27 17	2.54E+00	3.01
9.000	-0 837	0 1833	11 00000	0 837	27 16	2.55E+00	3.02
9.200	-0 837	0 1867	11 20000	0 837	27 16	2.55E+00	3.02
9.400	-0 840	0 1900	11 40000	0 840	27 16	2.56E+00	3.03
9.600	-0 843	0 1933	11 60000	0 843	27 16	2.57E+00	3.04
9.800	-0 846	0 1967	11 80000	0 846	27 15	2.58E+00	3.05

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-0 850	0 2000	12 00000	0 850	27 15	2 59E+00	3 06
12.000	-0 862	0 2333	14 00000	0 862	27 14	2 63E+00	3 09
14 000	-0 868	0 2667	16 00000	0 868	27 13	2 65E+00	3 11
16 000	-0 881	0 3000	18 00000	0 881	27 12	2 69E+00	3 15
18 000	-0 894	0 3333	20 00000	0 894	27 11	2 73E+00	3 19
20 000	-0 897	0 3667	22 00000	0 897	27 10	2 74E+00	3 20
22 000	-0 897	0 4000	24 00000	0 897	27 10	2 74E+00	3 20
24 000	-0 903	0 4333	26 00000	0 903	27 10	2 75E+00	3 22
26 000	-0 906	0 4667	28 00000	0 906	27 09	2 76E+00	3 23
28 000	-0 919	0 5000	30 00000	0 919	27 08	2 80E+00	3 27
30 000	-0 925	0 5333	32 00000	0 925	27 08	2 82E+00	3 29
32,000	-0 928	0 5667	34 00000	0 928	27 07	2 83E+00	3 30
34 000	-0 931	0 6000	36 00000	0 931	27 07	2 84E+00	3 30
36 000	-0 935	0 6333	38 00000	0 935	27 07	2 85E+00	3 32
38 000	-0 938	0 6667	40 00000	0 938	27 06	2 86E+00	3 33
40 000	-0 941	0 7000	42 00000	0 941	27 06	2 87E+00	3 34
42 000	-0 938	0 7333	44 00000	0 938	27 06	2 86E+00	3 33
44 000	-0 935	0 7667	46 00000	0 935	27 07	2 85E+00	3 32
46 000	-0 947	0 8000	48 00000	0 947	27 05	2 89E+00	3 35
48 000	-0 950	0 8333	50 00000	0 950	27 05	2 90E+00	3 36
50 000	-0 950	0 8667	52 00000	0 950	27 05	2 90E+00	3 36
52,000	-0 950	0 9000	54 00000	0 950	27 05	2 90E+00	3 36
54 000	-0 947	0 9333	56 00000	0 947	27 05	2 89E+00	3 35
56 000	-0 947	0 9667	58 00000	0 947	27 05	2 89E+00	3 35
58 000	-0 947	1 0000	60 00000	0 947	27 05	2 89E+00	3 35
60 000	-0 947	1 0333	62 00000	0 947	27 05	2 89E+00	3 35
62 000	-0 953	1 0667	64 00000	0 953	27 05	2 91E+00	3 37
64 000	-0 963	1 1000	66 00000	0 963	27 04	2 94E+00	3 40
66 000	-0 966	1 1333	68 00000	0 966	27 03	2 95E+00	3 41
68 000	-0 966	1 1667	70 00000	0 966	27 03	2 95E+00	3 41
70 000	-0 966	1 2000	72 00000	0 966	27 03	2 95E+00	3 41
72,000	-0 966	1 2333	74 00000	0 966	27 03	2 95E+00	3 41
74 000	-0 960	1 2667	76 00000	0 960	27 04	2 93E+00	3 39
76 000	-0 957	1 3000	78 00000	0 957	27 04	2 92E+00	3 38
78 000	-0 960	1 3333	80 00000	0 960	27 04	2 93E+00	3 39
80 000	-0 960	1 3667	82 00000	0 960	27 04	2 93E+00	3 39
82,000	-0 963	1 4000	84 00000	0 963	27 04	2 94E+00	3 40
84 000	-0 960	1 4333	86 00000	0 960	27 04	2 93E+00	3 39
86 000	-0 972	1 4667	88 00000	0 972	27 03	2 97E+00	3 43
88 000	-0 976	1 5000	90 00000	0 976	27 02	2 98E+00	3 44
90 000	-0 976	1 5333	92 00000	0 976	27 02	2 98E+00	3 44
92 000	-0 969	1 5667	94 00000	0 969	27 03	2 96E+00	3 42
94 000	-0 969	1 6000	96 00000	0 969	27 03	2 96E+00	3 42
96 000	-0 972	1 6333	98 00000	0 972	27 03	2 97E+00	3 43
98 000	-0 969	1 6667	100 00000	0 969	27 03	2 96E+00	3 42
100 000	-0 972	1 7000	102 00000	0 972	27 03	2 97E+00	3 43
120 000	-0 979	2.0333	122 00000	0 979	27 02	2 99E+00	3 45
140 000	-0 979	2 3667	142 00000	0 979	27 02	2 99E+00	3 45
160 000	-0 998	2 7000	162 00000	0 998	27 00	3 04E+00	3 51
180 000	-0 994	3 0333	182 00000	0 994	27 01	3 03E+00	3 50
200 000	-0 994	3 3667	202 00000	0 994	27 01	3 03E+00	3 50
220 000	-1 007	3 7000	222 00000	1 007	26 99	3 07E+00	3 54
240 000	-1 010	4 0333	242 00000	1 010	26 99	3 08E+00	3 55
260 000	-1 013	4 3667	262 00000	1 013	26 99	3 09E+00	3 55
280 000	-1 010	4 7000	282 00000	1 010	26 99	3 08E+00	3 55
300 000	-1 013	5 0333	302 00000	1 013	26 99	3 09E+00	3 55
320 000	-1 020	5 3667	322 00000	1 020	26 98	3 11E+00	3 58
340 000	-1 023	5 7000	342 00000	1 023	26 98	3 12E+00	3 59
360 000	-1 016	6 0333	362 00000	1 016	26 98	3 10E+00	3 56
380 000	-1 029	6 3667	382 00000	1 029	26 97	3 14E+00	3 60
400 000	-1 032	6 7000	402 00000	1 032	26 97	3 15E+00	3 61
420 000	-1 035	7 0333	422 00000	1 035	26 97	3 16E+00	3 62
440 000	-1 035	7 3667	442 00000	1 035	26 97	3 16E+00	3 62
460 000	-1 039	7 7000	462 00000	1 039	26 96	3 17E+00	3 63
480 000	-1 039	8 0333	482 00000	1 039	26 96	3 17E+00	3 63
500 000	-1 042	8 3667	502 00000	1 042	26 96	3 18E+00	3 64
520 000	-1 045	8 7000	522 00000	1 045	26 96	3 19E+00	3 65
540 000	-1 048	9 0333	542 00000	1 048	26 95	3 20E+00	3 66
560 000	-1 051	9 3667	562 00000	1 051	26 95	3 21E+00	3 67
580 000	-1 051	9 7000	582 00000	1 051	26 95	3 21E+00	3 67
600 000	-1 054	10 0333	602 00000	1 054	26 95	3 22E+00	3 68
620 000	-1 054	10 3667	622 00000	1 054	26 95	3 22E+00	3 68
640 000	-1 057	10 7000	642 00000	1 057	26 94	3 22E+00	3 69

Input Transducer Elapsed Time	data (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-1 057	11 0333	662.00000	1 057	26 94	3 22E+00	3 69	
680 000	-1 061	11 3667	682.00000	1 061	26 94	3 24E+00	3 70	
700 000	-1 064	11 7000	702.00000	1 064	26 94	3 25E+00	3 71	
720 000	-1 064	12.0333	722.00000	1 064	26 94	3 25E+00	3 71	
740 000	-1 067	12.3667	742.00000	1 067	26 93	3 26E+00	3 72	
760 000	-1 067	12.7000	762.00000	1 067	26 93	3 26E+00	3 72	
780 000	-1 067	13 0333	782.00000	1 067	26 93	3 26E+00	3 72	
800 000	-1 073	13 3667	802.00000	1 073	26 93	3 27E+00	3 74	
820 000	-1 073	13 7000	822.00000	1 073	26 93	3 27E+00	3 74	
840 000	-1 076	14 0333	842.00000	1 076	26 92	3 28E+00	3 75	
860 000	-1 079	14 3667	862.00000	1 079	26 92	3 29E+00	3 76	
880 000	-1 079	14 7000	882.00000	1 079	26 92	3 29E+00	3 76	
900 000	-1 083	15 0333	902.00000	1 083	26 92	3 30E+00	3 77	
920 000	-1 083	15.3667	922.00000	1 083	26 92	3 30E+00	3 77	
940 000	-1 086	15 7000	942.00000	1 086	26 91	3 31E+00	3 78	
960 000	-1 089	16 0333	962.00000	1 089	26 91	3 32E+00	3 79	
980 000	-1 089	16 3667	982.00000	1 089	26 91	3 32E+00	3 79	
1000 000	-1 092	16 7000	1002.00000	1 092	26 91	3 33E+00	3 80	
1200 000	-1 101	20 0333	1202.00000	1 101	26 90	3 36E+00	3 82	
1400 000	-1 114	23 3667	1402.00000	1 114	26 89	3 40E+00	3 86	
1600 000	-1 139	26 7000	1602.00000	1 139	26 86	3 47E+00	3 94	
1800 000	-1 164	30 0333	1802.00000	1 164	26 84	3 55E+00	4 02	
2000 000	-1 183	33 3667	2002.00000	1 183	26 82	3 61E+00	4 07	
2200 000	-1 196	36.7000	2202.00000	1 196	26 80	3 65E+00	4 11	
2400 000	-1 209	40 0333	2402.00000	1 209	26 79	3 69E+00	4 15	
2600 000	-1 221	43 3667	2602.00000	1 221	26 78	3 72E+00	4 19	
2800 000	-1 231	46 7000	2802.00000	1 231	26 77	3 76E+00	4 22	
3000 000	-1 256	50 0333	3002.00000	1 256	26 74	3 83E+00	4 30	
3200 000	-1 268	53 3667	3202.00000	1 268	26 73	3 87E+00	4 33	
3400 000	-1 281	56 7000	3402.00000	1 281	26 72	3 91E+00	4 37	
3600 000	-1 300	60 0333	3602.00000	1 300	26 70	3 97E+00	4 43	
3800 000	-1 312	63 3667	3802.00000	1 312	26 69	4 00E+00	4 47	
4000 000	-1 325	66 7000	4002.00000	1 325	26 68	4 04E+00	4 51	
4200 000	-1 325	70 0333	4202.00000	1 325	26 68	4 04E+00	4 51	
4400 000	-1 341	73 3667	4402.00000	1 341	26 66	4 09E+00	4 56	
4600 000	-1 350	76 7000	4602.00000	1 350	26 65	4 12E+00	4 58	
4800 000	-1 379	80 0333	4802.00000	1.379	26 62	4 21E+00	4 67	
5000 000	-1 394	83 3667	5002.00000	1 394	26 61	4 25E+00	4 72	
5200 000	-1 407	86 7000	5202.00000	1 407	26 59	4 29E+00	4 76	
5400 000	-1 420	90 0333	5402.00000	1 420	26 58	4 33E+00	4 80	
5600 000	-1 416	93 3667	5602.00000	1 416	26 58	4 32E+00	4 78	
5800 000	-1 429	96 7000	5802.00000	1 429	26 57	4 36E+00	4 82	
6000 000	-1 445	100 0333	6002.00000	1 445	26 56	4 41E+00	4 87	
6200 000	-1 483	103.3667	6202.00000	1 483	26 52	4 52E+00	4 99	
6400 000	-1 495	106 7000	6402.00000	1 495	26 51	4 56E+00	5 03	
6600 000	-1 498	110 0333	6602.00000	1 498	26 50	4 57E+00	5 03	
6800 000	-1 511	113 3667	6802.00000	1 511	26 49	4 61E+00	5 07	
7000 000	-1 523	116 7000	7002.00000	1 523	26 48	4 65E+00	5 11	
7200 000	-1 530	120 0333	7202.00000	1 530	26 47	4 67E+00	5 13	
7400 000	-1 542	123 3667	7402.00000	1 542	26 46	4 70E+00	5 17	
7600 000	-1 577	126 7000	7602.00000	1 577	26 42	4 81E+00	5 28	
7800 000	-1 586	130 0333	7802.00000	1 586	26 41	4 84E+00	5 30	
8000 000	-1 602	133 3667	8002.00000	1 602	26 40	4 89E+00	5 35	
8200 000	-1 612	136 7000	8202.00000	1 612	26 39	4 92E+00	5 38	
8400 000	-1 621	140 0333	8402.00000	1 621	26 38	4 95E+00	5 41	
8600 000	-1 627	143 3667	8602.00000	1 627	26 37	4 96E+00	5 43	
8800 000	-1 649	146 7000	8802.00000	1 649	26 35	5 03E+00	5 50	
9000 000	-1 665	150 0333	9002.00000	1 665	26 34	5 08E+00	5 54	
9200 000	-1 684	153 3667	9202.00000	1 684	26 32	5 14E+00	5 60	
9400 000	-1 697	156 7000	9402.00000	1 697	26 30	5 18E+00	5 64	
9600 000	-1 709	160 0333	9602.00000	1 709	26 29	5 21E+00	5 68	
9800 000	-1 722	163 3667	9802.00000	1 722	26 28	5 25E+00	5 72	
10000 000	-1 719	166 7000	10002.00000	1 719	26 28	5 24E+00	5 71	
11440 000	-1 816	190 7000	11442.00000	1 816	26 18	5 54E+00	6 00	
12880 000	-1 917	214 7000	12882.00000	1 917	26 08	5 85E+00	6 31	
14320 000	-2 037	238 7000	14322.00000	2.037	25 96	6 21E+00	6 68	
15760 000	-2 166	262 7000	15762.00000	2 166	25 83	6 61E+00	7 07	
17200 000	-2.260	286 7000	17202.00000	2.260	25 74	6 89E+00	7 36	

Well No. 10792

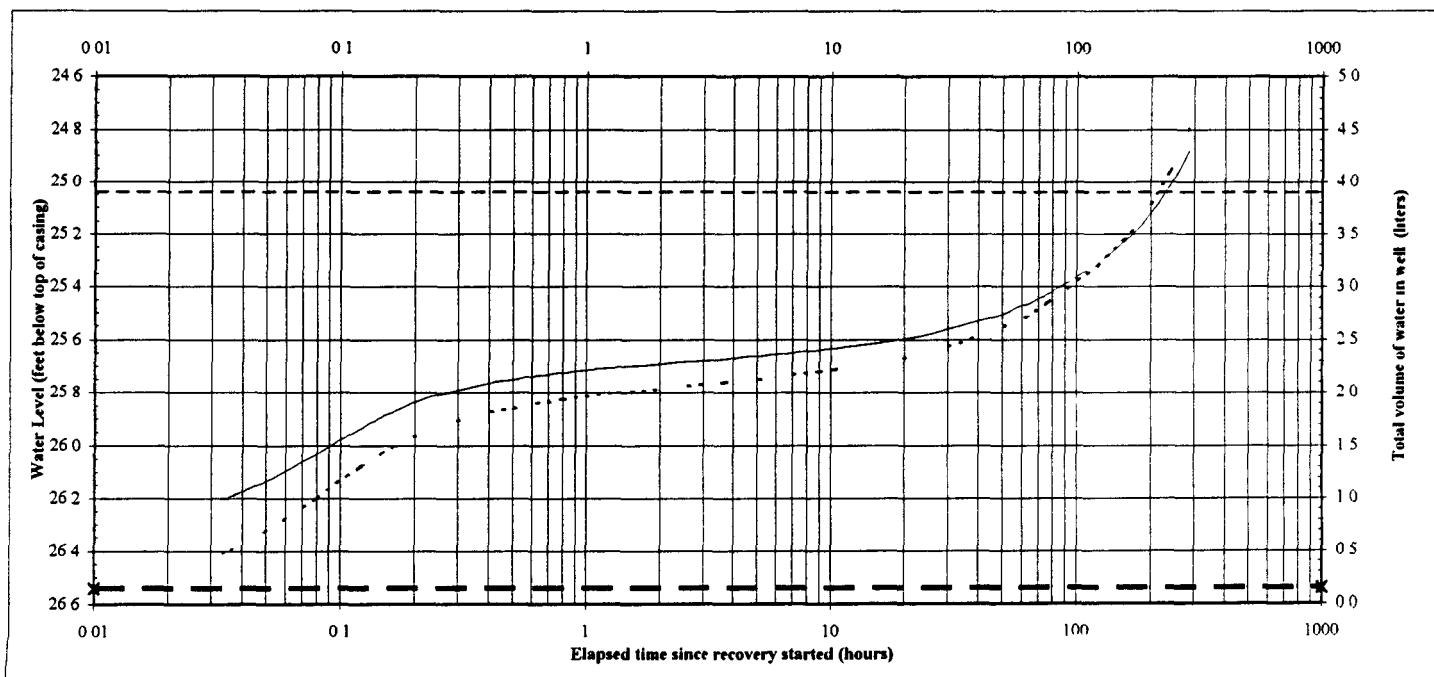
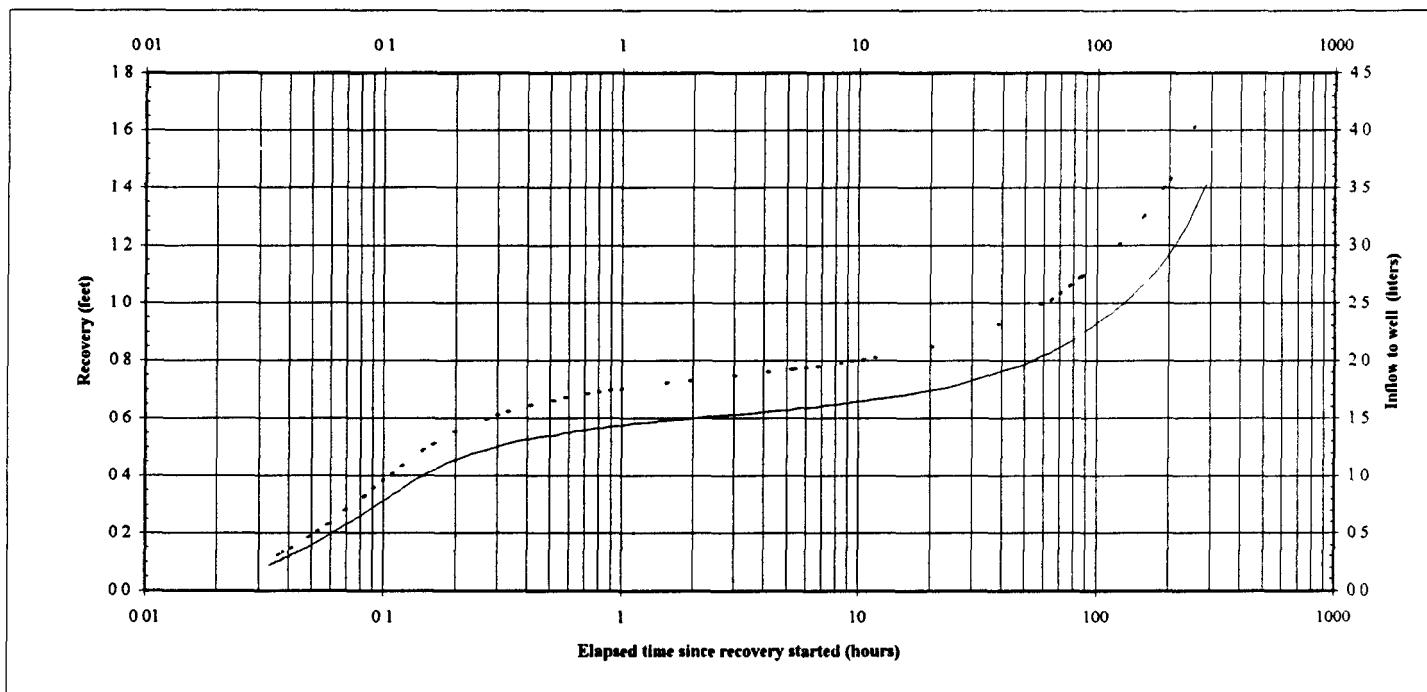
Measured recovery after sampling

Date: 26-May-94

2nd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

10792

Date Sampled

2nd quarter

26-May-94

Final bail time	9:51	Delay	2 00	Minutes	
Set transducer time	9:53				
Static Water Level (pre-sampling)	23.0	feet below top of casing			
Final water level (post-sampling)	24.9	feet below top of casing			
Last recorded water level	-1.4	feet below transducer			
Transducer Reference Depth	26.3	feet below top of casing			
Bottom of well	26.5	feet below top of casing			
First recorded water level	-0.1	feet below transducer			
First recorded water level	26.2	feet below top of casing			
Water column remaining in casing after purging	0.3	feet			
Volume remaining in casing after purging	0.2	liters			
Well Diameter	7.0	inches	0.583	feet	
Well Radius	3.5	inches	0.292	feet	
Casing Diameter	3.6	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	2.2	inches	0.185	feet	
Top of sandpack	16.6	feet below top of casing			
				0.62	liter/foot
				3.05	liter/foot

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	-0.089	0 0333	2 00000	0 089	26 20		
0 003	-0.089	0 0334	2.00330	0 089	26 20	2.72E-01	0 48
0 007	-0.089	0 0334	2.00660	0 089	26 20	2.72E-01	0 48
0 010	-0.089	0 0335	2.01000	0 089	26 20	2.72E-01	0 48
0 013	-0.089	0 0336	2.01330	0 089	26 20	2.72E-01	0 48
0 017	-0.089	0 0336	2.01660	0 089	26 20	2.72E-01	0 48
0 020	-0.089	0 0337	2.02000	0 089	26 20	2.72E-01	0 48
0 023	-0.089	0 0337	2.02330	0 089	26 20	2.72E-01	0 48
0 027	-0.089	0 0338	2.02660	0 089	26 20	2.72E-01	0 48
0 030	-0.089	0 0338	2.03000	0 089	26 20	2.72E-01	0 48
0 033	-0.092	0 0339	2.03330	0 092	26 20	2.81E-01	0 49
0 037	-0.092	0 0339	2.03660	0 092	26 20	2.81E-01	0 49
0 040	-0.092	0 0340	2.04000	0 092	26 20	2.81E-01	0 49
0 043	-0.092	0 0341	2.04330	0 092	26 20	2.81E-01	0 49
0 047	-0.092	0 0341	2.04660	0 092	26 20	2.81E-01	0 49
0 050	-0.092	0 0342	2.05000	0 092	26 20	2.81E-01	0 49
0 053	-0.092	0 0342	2.05330	0 092	26 20	2.81E-01	0 49
0 057	-0.092	0 0343	2.05660	0 092	26 20	2.81E-01	0 49
0 060	-0.092	0 0343	2.06000	0 092	26 20	2.81E-01	0 49
0 063	-0.092	0 0344	2.06330	0 092	26 20	2.81E-01	0 49
0 067	-0.092	0 0344	2.06660	0 092	26 20	2.81E-01	0 49
0 070	-0.092	0 0345	2.07000	0 092	26 20	2.81E-01	0 49
0 073	-0.092	0 0346	2.07330	0 092	26 20	2.81E-01	0 49
0 077	-0.095	0 0346	2.07660	0 095	26 20	2.90E-01	0 50
0 080	-0.095	0 0347	2.08000	0 095	26 20	2.90E-01	0 50
0 083	-0.095	0 0347	2.08330	0 095	26 20	2.90E-01	0 50
0 087	-0.095	0 0348	2.08660	0 095	26 20	2.90E-01	0 50
0 090	-0.095	0 0348	2.09000	0 095	26 20	2.90E-01	0 50
0 093	-0.095	0 0349	2.09330	0 095	26 20	2.90E-01	0 50
0 097	-0.095	0 0349	2.09660	0 095	26 20	2.90E-01	0 50
0 100	-0.095	0 0350	2.10000	0 095	26 20	2.90E-01	0 50
0 103	-0.095	0 0351	2.10330	0 095	26 20	2.90E-01	0 50
0 107	-0.095	0 0351	2.10660	0 095	26 20	2.90E-01	0 50
0 110	-0.095	0 0352	2.11000	0 095	26 20	2.90E-01	0 50
0 113	-0.095	0 0352	2.11330	0 095	26 20	2.90E-01	0 50
0 117	-0.095	0 0353	2.11660	0 095	26 20	2.90E-01	0 50
0 120	-0.098	0 0353	2.12000	0 098	26 19	2.99E-01	0 51
0 123	-0.098	0 0354	2.12330	0 098	26 19	2.99E-01	0 51
0 127	-0.098	0 0354	2.12660	0 098	26 19	2.99E-01	0 51

Input Transducer	Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftdc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
	0 130	-0 098	0 0355	2.13300	0 098	26 19	2.99E-01	0 51
	0 133	-0 098	0 0356	2.13330	0 098	26 19	2.99E-01	0 51
	0 137	-0 098	0 0356	2.13660	0 098	26 19	2.99E-01	0 51
	0 140	-0 098	0 0357	2.14000	0 098	26 19	2.99E-01	0 51
	0 143	-0 098	0 0357	2.14330	0 098	26 19	2.99E-01	0 51
	0 147	-0 098	0 0358	2.14660	0 098	26 19	2.99E-01	0 51
	0 150	-0 098	0 0358	2.15000	0 098	26 19	2.99E-01	0 51
	0 153	-0 098	0 0359	2.15330	0 098	26 19	2.99E-01	0 51
	0 157	-0 098	0 0359	2.15660	0 098	26 19	2.99E-01	0 51
	0 160	-0 101	0 0360	2.16000	0 101	26 19	3 08E-01	0 52
	0 163	-0 101	0 0361	2.16330	0 101	26 19	3 08E-01	0 52
	0 167	-0 101	0 0361	2.16660	0 101	26 19	3 08E-01	0 52
	0 170	-0 101	0 0362	2.17000	0 101	26 19	3 08E-01	0 52
	0 173	-0 101	0 0362	2.17330	0 101	26 19	3 08E-01	0 52
	0 177	-0 101	0 0363	2.17660	0 101	26 19	3 08E-01	0 52
	0 180	-0 101	0 0363	2.18000	0 101	26 19	3 08E-01	0 52
	0 183	-0 101	0 0364	2.18330	0 101	26 19	3 08E-01	0 52
	0 187	-0 101	0 0364	2.18660	0 101	26 19	3 08E-01	0 52
	0 190	-0 101	0 0365	2.19000	0 101	26 19	3 08E-01	0 52
	0 193	-0 101	0 0366	2.19330	0 101	26 19	3 08E-01	0 52
	0 197	-0 101	0 0366	2.19660	0 101	26 19	3 08E-01	0 52
	0 200	-0 101	0 0367	2.20000	0 101	26 19	3 08E-01	0 52
	0 203	-0 104	0 0367	2.20330	0 104	26 19	3 17E-01	0 53
	0 207	-0 101	0 0368	2.20660	0 101	26 19	3 08E-01	0 52
	0 210	-0 101	0 0368	2.21000	0 101	26 19	3 08E-01	0 52
	0 213	-0 104	0 0369	2.21330	0 104	26 19	3 17E-01	0 53
	0 217	-0 104	0 0369	2.21660	0 104	26 19	3 17E-01	0 53
	0 220	-0 104	0 0370	2.22000	0 104	26 19	3 17E-01	0 53
	0 223	-0 104	0 0371	2.22330	0 104	26 19	3 17E-01	0 53
	0 227	-0 104	0 0371	2.22660	0 104	26 19	3 17E-01	0 53
	0 230	-0 108	0 0372	2.23000	0 108	26 18	3 29E-01	0 54
	0 233	-0 108	0 0372	2.23330	0 108	26 18	3 29E-01	0 54
	0 237	-0 104	0 0373	2.23660	0 104	26 19	3 17E-01	0 53
	0 240	-0 104	0 0373	2.24000	0 104	26 19	3 17E-01	0 53
	0 243	-0 104	0 0374	2.24330	0 104	26 19	3 17E-01	0 53
	0 247	-0 108	0 0374	2.24660	0 108	26 18	3 29E-01	0 54
	0 250	-0 108	0 0375	2.25000	0 108	26 18	3 29E-01	0 54
	0 253	-0 108	0 0376	2.25330	0 108	26 18	3 29E-01	0 54
	0 257	-0 108	0 0376	2.25660	0 108	26 18	3 29E-01	0 54
	0 260	-0 108	0 0377	2.26000	0 108	26 18	3 29E-01	0 54
	0 263	-0 108	0 0377	2.26330	0 108	26 18	3 29E-01	0 54
	0 267	-0 108	0 0378	2.26660	0 108	26 18	3 29E-01	0 54
	0 270	-0 108	0 0378	2.27000	0 108	26 18	3 29E-01	0 54
	0 273	-0 108	0 0379	2.27330	0 108	26 18	3 29E-01	0 54
	0 277	-0 108	0 0379	2.27660	0 108	26 18	3 29E-01	0 54
	0 280	-0 108	0 0380	2.28000	0 108	26 18	3 29E-01	0 54
	0 283	-0 111	0 0381	2.28330	0 111	26 18	3 39E-01	0 55
	0 287	-0 111	0 0381	2.28660	0 111	26 18	3 39E-01	0 55
	0 290	-0 111	0 0382	2.29000	0 111	26 18	3 39E-01	0 55
	0 293	-0 111	0 0382	2.29330	0 111	26 18	3 39E-01	0 55
	0 297	-0 108	0 0383	2.29660	0 108	26 18	3 29E-01	0 54
	0 300	-0 111	0 0383	2.30000	0 111	26 18	3 39E-01	0 55
	0 303	-0 111	0 0384	2.30330	0 111	26 18	3 39E-01	0 55
	0 307	-0 111	0 0384	2.30660	0 111	26 18	3 39E-01	0 55
	0 310	-0 111	0 0385	2.31000	0 111	26 18	3 39E-01	0 55
	0 313	-0 111	0 0386	2.31330	0 111	26 18	3 39E-01	0 55
	0 317	-0 111	0 0386	2.31660	0 111	26 18	3 39E-01	0 55
	0 320	-0 111	0 0387	2.32000	0 111	26 18	3 39E-01	0 55
	0 323	-0 111	0 0387	2.32330	0 111	26 18	3 39E-01	0 55
	0 327	-0 114	0 0388	2.32660	0 114	26 18	3 48E-01	0 56
	0 330	-0 114	0 0388	2.33000	0 114	26 18	3 48E-01	0 56
	0 333	-0 114	0 0389	2.33330	0 114	26 18	3 48E-01	0 56
	0 350	-0 114	0 0392	2.35000	0 114	26 18	3 48E-01	0 56
	0 367	-0 114	0 0394	2.36660	0 114	26 18	3 48E-01	0 56
	0 383	-0 117	0 0397	2.38330	0 117	26 18	3 57E-01	0 57
	0 400	-0 117	0 0400	2.40000	0 117	26 18	3 57E-01	0 57
	0 417	-0 117	0 0403	2.41660	0 117	26 18	3 57E-01	0 57
	0 433	-0 117	0 0406	2.43330	0 117	26 18	3 57E-01	0 57
	0 450	-0 120	0 0408	2.45000	0 120	26 17	3 66E-01	0 57
	0 467	-0 120	0 0411	2.46660	0 120	26 17	3 66E-01	0 57
	0 483	-0 124	0 0414	2.48330	0 124	26 17	3 78E-01	0 59
	0 500	-0 124	0 0417	2.50000	0 124	26 17	3 78E-01	0 59
	0 517	-0 127	0 0419	2.51660	0 127	26 17	3 87E-01	0 60

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 127	0 0422	2.53330	0 127	26 17	3 87E-01	0 60
0 550	-0 127	0 0425	2.55000	0 127	26 17	3 87E-01	0 60
0 567	-0 130	0 0428	2.56660	0 130	26 16	3 97E-01	0 60
0 583	-0 130	0 0431	2.58330	0 130	26 16	3 97E-01	0 60
0 600	-0 133	0 0433	2.60000	0 133	26 16	4 06E-01	0 61
0 617	-0 133	0 0436	2.61660	0 133	26 16	4 06E-01	0 61
0 633	-0 133	0 0439	2.63330	0 133	26 16	4 06E-01	0 61
0 650	-0 136	0 0442	2.65000	0 136	26 16	4 15E-01	0 62
0 667	-0 136	0 0444	2.66660	0 136	26 16	4 15E-01	0 62
0 683	-0 136	0 0447	2.68330	0 136	26 16	4 15E-01	0 62
0 700	-0 139	0 0450	2.70000	0 139	26 15	4 24E-01	0 63
0 717	-0 139	0 0453	2.71660	0 139	26 15	4 24E-01	0 63
0 733	-0 139	0 0456	2.73330	0 139	26 15	4 24E-01	0 63
0 750	-0 143	0 0458	2.75000	0 143	26 15	4 36E-01	0 64
0 767	-0 143	0 0461	2.76660	0 143	26 15	4 36E-01	0 64
0 783	-0 146	0 0464	2.78330	0 146	26 15	4 45E-01	0 65
0 800	-0 146	0 0467	2.80000	0 146	26 15	4 45E-01	0 65
0 817	-0 146	0 0469	2.81660	0 146	26 15	4 45E-01	0 65
0 833	-0 146	0 0472	2.83330	0 146	26 15	4 45E-01	0 65
0 850	-0 149	0 0475	2.85000	0 149	26 14	4 55E-01	0 66
0 867	-0 149	0 0478	2.86660	0 149	26 14	4 55E-01	0 66
0 883	-0 152	0 0481	2.88330	0 152	26 14	4 64E-01	0 67
0 900	-0 152	0 0483	2.90000	0 152	26 14	4 64E-01	0 67
0 917	-0 152	0 0486	2.91660	0 152	26 14	4 64E-01	0 67
0 933	-0 155	0 0489	2.93330	0 155	26 14	4 73E-01	0 68
0 950	-0 155	0 0492	2.95000	0 155	26 14	4 73E-01	0 68
0 967	-0 155	0 0494	2.96660	0 155	26 14	4 73E-01	0 68
0 983	-0 159	0 0497	2.98330	0 159	26 13	4 85E-01	0 69
1 000	-0 159	0 0500	3.00000	0 159	26 13	4 85E-01	0 69
1 200	-0 171	0 0533	3.20000	0 171	26 12	5 22E-01	0 73
1 400	-0 184	0 0567	3.40000	0 184	26 11	5 61E-01	0 77
1 600	-0 197	0 0600	3.60000	0 197	26 10	6 01E-01	0 81
1 800	-0 209	0 0633	3.80000	0 209	26 08	6 38E-01	0 85
2 000	-0 219	0 0667	4.00000	0 219	26 07	6 68E-01	0 88
2 200	-0 232	0 0700	4.20000	0 232	26 06	7 08E-01	0 92
2 400	-0 241	0 0733	4.40000	0 241	26 05	7 35E-01	0 94
2 600	-0 251	0 0767	4.60000	0 251	26 04	7 66E-01	0 97
2 800	-0 260	0 0800	4.80000	0 260	26 03	7 93E-01	1 00
3 000	-0 270	0 0833	5.00000	0 270	26 02	8 24E-01	1 03
3 200	-0 279	0 0867	5.20000	0 279	26 01	8 51E-01	1 06
3 400	-0 289	0 0900	5.40000	0 289	26 00	8 82E-01	1 09
3 600	-0 298	0 0933	5.60000	0 298	25 99	9 09E-01	1 12
3 800	-0 308	0 0967	5.80000	0 308	25 98	9 40E-01	1 15
4 000	-0 314	0 1000	6.00000	0 314	25 98	9 58E-01	1 17
4 200	-0 321	0 1033	6.20000	0 321	25 97	9 79E-01	1 19
4 400	-0 330	0 1067	6.40000	0 330	25 96	1 01E+00	1 21
4 600	-0 337	0 1100	6.60000	0 337	25 96	1 03E+00	1 24
4 800	-0 343	0 1133	6.80000	0 343	25 95	1 05E+00	1 25
5 000	-0 349	0 1167	7.00000	0 349	25 94	1 06E+00	1 27
5 200	-0 356	0 1200	7.20000	0 356	25 94	1 09E+00	1 29
5 400	-0 362	0 1233	7.40000	0 362	25 93	1 10E+00	1 31
5 600	-0 368	0 1267	7.60000	0 368	25 92	1 12E+00	1 33
5 800	-0 375	0 1300	7.80000	0 375	25 92	1 14E+00	1 35
6 000	-0 381	0 1333	8.00000	0 381	25 91	1 16E+00	1 37
6 200	-0 384	0 1367	8.20000	0 384	25 91	1 17E+00	1 38
6 400	-0 391	0 1400	8.40000	0 391	25 90	1 19E+00	1 40
6 600	-0 394	0 1433	8.60000	0 394	25 90	1 20E+00	1 41
6 800	-0 400	0 1467	8.80000	0 400	25 89	1 22E+00	1 43
7 000	-0 407	0 1500	9.00000	0 407	25 89	1 24E+00	1 45
7 200	-0 410	0 1533	9.20000	0 410	25 88	1 25E+00	1 46
7 400	-0 413	0 1567	9.40000	0 413	25 88	1 26E+00	1 47
7 600	-0 416	0 1600	9.60000	0 416	25 88	1 27E+00	1 48
7 800	-0 419	0 1633	9.80000	0 419	25 87	1 28E+00	1 49
8 000	-0 426	0 1667	10.00000	0 426	25 87	1 30E+00	1 51
8 200	-0 429	0 1700	10.20000	0 429	25 86	1 31E+00	1 52
8 400	-0 432	0 1733	10.40000	0 432	25 86	1 32E+00	1 53
8 600	-0 435	0 1767	10.60000	0 435	25 86	1 33E+00	1 54
8 800	-0 438	0 1800	10.80000	0 438	25 85	1 34E+00	1 54
9 000	-0 442	0 1833	11.00000	0 442	25 85	1 35E+00	1 56
9 200	-0 445	0 1867	11.20000	0 445	25 85	1 36E+00	1 57
9 400	-0 448	0 1900	11.40000	0 448	25 84	1 37E+00	1 57
9 600	-0 451	0 1933	11.60000	0 451	25 84	1 38E+00	1 58
9 800	-0 454	0 1967	11.80000	0 454	25 84	1 38E+00	1 59

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-0 454	0 2000	12.00000	0 454	25 84	1 38E+00	1 59
12.000	-0 477	0 2333	14.00000	0 477	25 82	1 46E+00	1 66
14 000	-0 489	0 2667	16.00000	0 489	25 80	1 49E+00	1 70
16 000	-0 502	0 3000	18.00000	0 502	25 79	1 53E+00	1 74
18 000	-0 512	0 3333	20.00000	0 512	25 78	1 56E+00	1 77
20 000	-0 521	0 3667	22.00000	0 521	25 77	1 59E+00	1 80
22.000	-0 527	0 4000	24.00000	0 527	25 77	1 61E+00	1 82
24 000	-0 534	0 4333	26.00000	0 534	25 76	1 63E+00	1 84
26 000	-0 537	0 4667	28.00000	0 537	25 76	1 64E+00	1 85
28 000	-0 540	0 5000	30.00000	0 540	25 75	1 65E+00	1 86
30 000	-0 543	0 5333	32.00000	0 543	25 75	1 66E+00	1 86
32 000	-0 550	0 5667	34.00000	0 550	25 74	1 68E+00	1 89
34 000	-0 550	0 6000	36.00000	0 550	25 74	1 68E+00	1 89
36 000	-0 556	0 6333	38.00000	0 556	25 74	1 70E+00	1 90
38 000	-0 556	0 6667	40.00000	0 556	25 74	1 70E+00	1 90
40 000	-0 559	0 7000	42.00000	0 559	25 73	1 71E+00	1 91
42.000	-0 562	0 7333	44.00000	0 562	25 73	1 71E+00	1 92
44 000	-0 566	0 7667	46.00000	0 566	25 73	1 73E+00	1 93
46 000	-0 566	0 8000	48.00000	0 566	25 73	1 73E+00	1 93
48 000	-0 566	0 8333	50.00000	0 566	25 73	1 73E+00	1 93
50 000	-0 569	0 8667	52.00000	0 569	25 72	1 74E+00	1 94
52 000	-0 572	0 9000	54.00000	0 572	25 72	1 74E+00	1 95
54 000	-0 572	0 9333	56.00000	0 572	25 72	1 74E+00	1 95
56 000	-0 575	0 9667	58.00000	0 575	25 72	1 75E+00	1 96
58 000	-0 575	1 0000	60.00000	0 575	25 72	1 75E+00	1 96
60 000	-0 578	1 0333	62.00000	0 578	25 71	1 76E+00	1 97
62 000	-0 578	1 0667	64.00000	0 578	25 71	1 76E+00	1 97
64 000	-0 582	1 1000	66.00000	0 582	25 71	1 78E+00	1 98
66 000	-0 582	1 1333	68.00000	0 582	25 71	1 78E+00	1 98
68 000	-0 582	1 1667	70.00000	0 582	25 71	1 78E+00	1 98
70 000	-0 585	1 2000	72.00000	0 585	25 71	1 78E+00	1 99
72 000	-0 585	1 2333	74.00000	0 585	25 71	1 78E+00	1 99
74 000	-0 585	1 2667	76.00000	0 585	25 71	1 78E+00	1 99
76 000	-0 585	1 3000	78.00000	0 585	25 71	1 78E+00	1 99
78 000	-0 588	1 3333	80.00000	0 588	25 70	1 79E+00	2.00
80 000	-0 588	1 3667	82.00000	0 588	25 70	1 79E+00	2.00
82 000	-0 588	1 4000	84.00000	0 588	25 70	1 79E+00	2.00
84 000	-0 591	1 4333	86.00000	0 591	25 70	1 80E+00	2.01
86 000	-0 591	1 4667	88.00000	0 591	25 70	1 80E+00	2.01
88 000	-0 591	1 5000	90.00000	0 591	25 70	1 80E+00	2.01
90 000	-0 591	1 5333	92.00000	0 591	25 70	1 80E+00	2.01
92 000	-0 594	1 5667	94.00000	0 594	25 70	1 81E+00	2.02
94 000	-0 594	1 6000	96.00000	0 594	25 70	1 81E+00	2.02
96 000	-0 594	1 6333	98.00000	0 594	25 70	1 81E+00	2.02
98 000	-0 594	1 6667	100.00000	0 594	25 70	1 81E+00	2.02
100 000	-0 594	1 7000	102.00000	0 594	25 70	1 81E+00	2.02
120 000	-0 601	2.0333	122.00000	0 601	25 69	1 83E+00	2.04
140 000	-0 607	2.3667	142.00000	0 607	25 69	1 85E+00	2.06
160 000	-0 610	2 7000	162.00000	0 610	25 68	1 86E+00	2.07
180 000	-0 613	3 0333	182.00000	0 613	25 68	1 87E+00	2.08
200 000	-0 616	3 3667	202.00000	0 616	25 68	1 88E+00	2.09
220 000	-0 620	3 7000	222.00000	0 620	25 67	1 89E+00	2.10
240 000	-0 623	4 0333	242.00000	0 623	25 67	1 90E+00	2.11
260 000	-0 626	4 3667	262.00000	0 626	25 67	1 91E+00	2.12
280 000	-0 629	4 7000	282.00000	0 629	25 66	1 92E+00	2.13
300 000	-0 629	5 0333	302.00000	0 629	25 66	1 92E+00	2.13
320 000	-0 632	5 3667	322.00000	0 632	25 66	1 93E+00	2.14
340 000	-0 636	5 7000	342.00000	0 636	25 66	1 94E+00	2.15
360 000	-0 636	6 0333	362.00000	0 636	25 66	1 94E+00	2.15
380 000	-0 639	6 3667	382.00000	0 639	25 65	1 95E+00	2.16
400 000	-0 639	6 7000	402.00000	0 639	25 65	1 95E+00	2.16
420 000	-0 642	7 0333	422.00000	0 642	25 65	1 96E+00	2.17
440 000	-0 645	7 3667	442.00000	0 645	25 65	1 97E+00	2.18
460 000	-0 645	7 7000	462.00000	0 645	25 65	1 97E+00	2.18
480 000	-0 648	8 0333	482.00000	0 648	25 64	1 98E+00	2.19
500 000	-0 648	8 3667	502.00000	0 648	25 64	1 98E+00	2.19
520 000	-0 651	8 7000	522.00000	0 651	25 64	1 99E+00	2.19
540 000	-0 651	9 0333	542.00000	0 651	25 64	1 99E+00	2.19
560 000	-0 655	9 3667	562.00000	0 655	25 64	2 00E+00	2.21
580 000	-0 655	9 7000	582.00000	0 655	25 64	2 00E+00	2.21
600 000	-0 658	10 0333	602.00000	0 658	25 63	2 01E+00	2.22
620 000	-0 658	10 3667	622.00000	0 658	25 63	2 01E+00	2.22
640 000	-0 661	10 7000	642.00000	0 661	25 63	2 02E+00	2.22

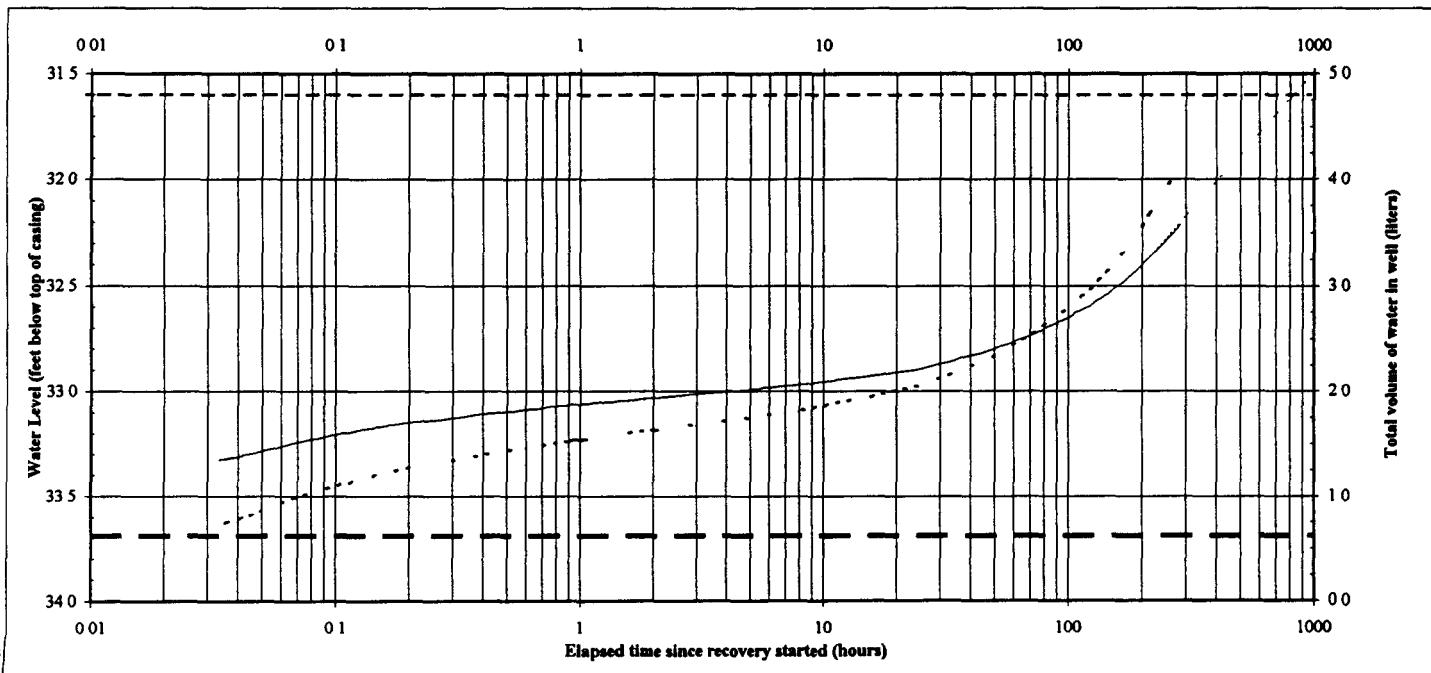
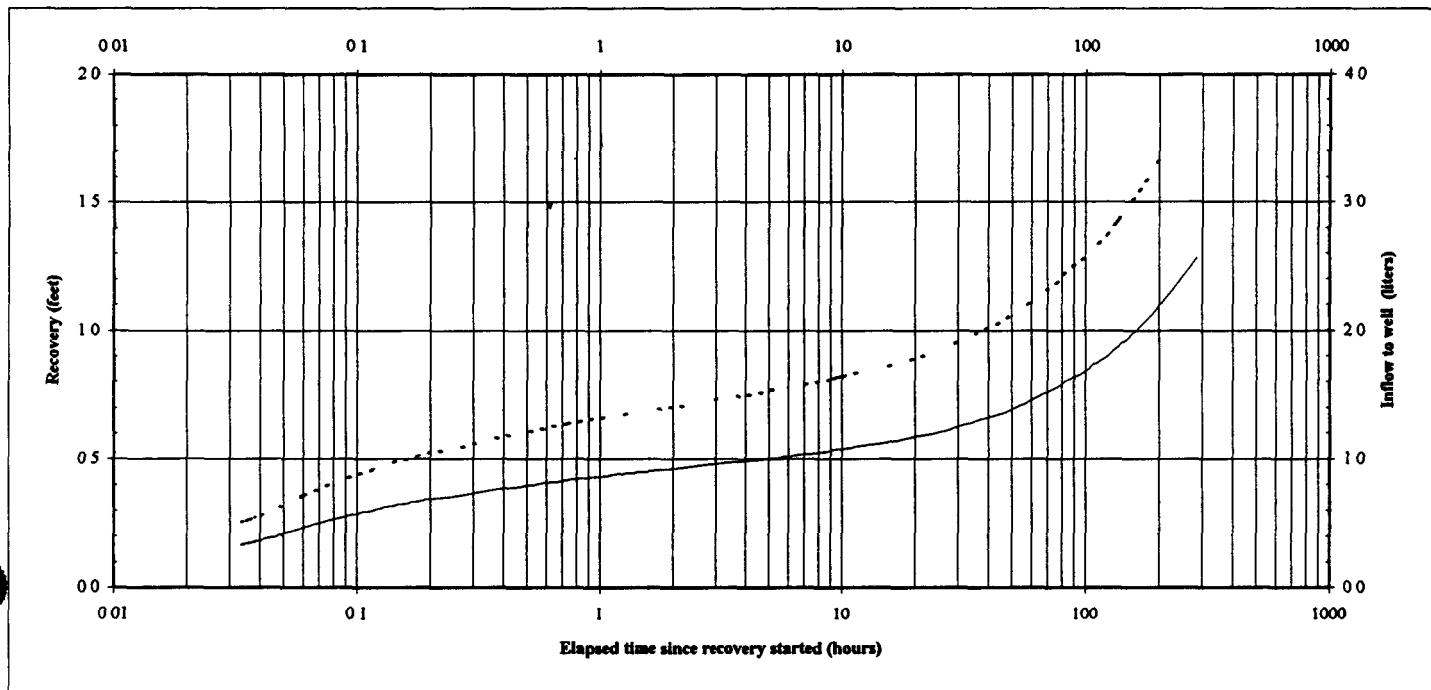
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-0 661	11 0333	662.00000	0 661	25 63	2 02E+00	2.22
680 000	-0 664	11 3667	682.00000	0 664	25 63	2 03E+00	2.23
700 000	-0 664	11 7000	702.00000	0 664	25 63	2.03E+00	2.23
720 000	-0 667	12.0333	722.00000	0 667	25 63	2 03E+00	2.24
740 000	-0 667	12.3667	742.00000	0 667	25 63	2.03E+00	2.24
760 000	-0 667	12.7000	762.00000	0 667	25 63	2.03E+00	2.24
780 000	-0 671	13 0333	782.00000	0 671	25 62	2 05E+00	2.26
800 000	-0 671	13 3667	802.00000	0 671	25 62	2 05E+00	2.26
820 000	-0 671	13 7000	822.00000	0 671	25 62	2 05E+00	2.26
840 000	-0 674	14 0333	842.00000	0 674	25 62	2 06E+00	2.26
860 000	-0 674	14 3667	862.00000	0 674	25 62	2 06E+00	2.26
880 000	-0 677	14 7000	882.00000	0 677	25 62	2 07E+00	2.27
900 000	-0 677	15 0333	902.00000	0 677	25 62	2 07E+00	2.27
920 000	-0 680	15 3667	922.00000	0 680	25 61	2 07E+00	2.28
940 000	-0 680	15 7000	942.00000	0 680	25 61	2 07E+00	2.28
960 000	-0 680	16 0333	962.00000	0 680	25 61	2 07E+00	2.28
980 000	-0 683	16 3667	982.00000	0 683	25 61	2 08E+00	2.29
1000 000	-0 683	16 7000	1002.00000	0 683	25 61	2 08E+00	2.29
1200 000	-0 696	20 0333	1202.00000	0 696	25 60	2 12E+00	2.33
1400 000	-0 706	23 3667	1402.00000	0 706	25 59	2 15E+00	2.36
1600 000	-0 718	26 7000	1602.00000	0 718	25 57	2.19E+00	2.40
1800 000	-0 731	30 0333	1802.00000	0 731	25 56	2 23E+00	2.44
2000 000	-0 741	33 3667	2002.00000	0 741	25 55	2 26E+00	2.47
2200 000	-0 753	36 7000	2202.00000	0 753	25 54	2.30E+00	2.51
2400 000	-0 763	40 0333	2402.00000	0 763	25 53	2 33E+00	2.54
2600 000	-0 772	43 3667	2602.00000	0 772	25 52	2 36E+00	2.56
2800 000	-0 779	46 7000	2802.00000	0 779	25 51	2 38E+00	2.58
3000 000	-0 788	50 0333	3002.00000	0 788	25 50	2 40E+00	2.61
3200 000	-0 798	53 3667	3202.00000	0 798	25 49	2 43E+00	2.64
3400 000	-0 811	56 7000	3402.00000	0 811	25 48	2 47E+00	2.68
3600 000	-0 820	60 0333	3602.00000	0 820	25 47	2 50E+00	2.71
3800 000	-0 823	63 3667	3802.00000	0 823	25 47	2 51E+00	2.72
4000 000	-0 836	66 7000	4002.00000	0 836	25 46	2 55E+00	2.76
4200 000	-0 846	70 0333	4202.00000	0 846	25 45	2 58E+00	2.79
4400 000	-0 855	73 3667	4402.00000	0 855	25 44	2 61E+00	2.82
4600 000	-0 865	76 7000	4602.00000	0 865	25 43	2 64E+00	2.85
4800 000	-0 874	80 0333	4802.00000	0 874	25 42	2 67E+00	2.87
5000 000	-0 887	83 3667	5002.00000	0 887	25 41	2 71E+00	2.91
5200 000	-0 893	86 7000	5202.00000	0 893	25 40	2 72E+00	2.93
5400 000	-0 903	90 0333	5402.00000	0 903	25 39	2 75E+00	2.96
5600 000	-0 909	93 3667	5602.00000	0 909	25 38	2 77E+00	2.98
5800 000	-0 919	96 7000	5802.00000	0 919	25 37	2 80E+00	3.01
6000 000	-0 928	100 0333	6002.00000	0 928	25 36	2 83E+00	3.04
6200 000	-0 938	103 3667	6202.00000	0 938	25 35	2 86E+00	3.07
6400 000	-0 947	106 7000	6402.00000	0 947	25 35	2 89E+00	3.10
6600 000	-0 954	110 0333	6602.00000	0 954	25 34	2 91E+00	3.12
6800 000	-0 960	113 3667	6802.00000	0 960	25 33	2.93E+00	3.14
7000 000	-0 966	116 7000	7002.00000	0 966	25 33	2.95E+00	3.16
7200 000	-0 976	120 0333	7202.00000	0 976	25 32	2.98E+00	3.19
7400 000	-0 982	123 3667	7402.00000	0 982	25 31	3 00E+00	3.20
7600 000	-0 992	126 7000	7602.00000	0 992	25 30	3 03E+00	3.23
7800 000	-1 001	130 0333	7802.00000	1 001	25 29	3 05E+00	3.26
8000 000	-1 008	133 3667	8002.00000	1 008	25 28	3 08E+00	3.28
8200 000	-1 017	136 7000	8202.00000	1 017	25 28	3 10E+00	3.31
8400 000	-1 024	140 0333	8402.00000	1 024	25 27	3 12E+00	3.33
8600 000	-1 033	143 3667	8602.00000	1 033	25 26	3 15E+00	3.36
8800 000	-1 040	146 7000	8802.00000	1 040	25 25	3 17E+00	3.38
9000 000	-1 049	150 0333	9002.00000	1 049	25 24	3 20E+00	3.41
9200 000	-1 059	153 3667	9202.00000	1 059	25 23	3 23E+00	3.44
9400 000	-1 062	156 7000	9402.00000	1 062	25 23	3 24E+00	3.45
9600 000	-1 071	160 0333	9602.00000	1 071	25 22	3 27E+00	3.48
9800 000	-1 078	163 3667	9802.00000	1 078	25 21	3 29E+00	3.50
10000 000	-1 084	166 7000	10002.00000	1 084	25 21	3 31E+00	3.52
11440 000	-1 145	190 7000	11442.00000	1 145	25 15	3 49E+00	3.70
12880 000	-1 208	214 7000	12882.00000	1 208	25 08	3 69E+00	3.89
14320 000	-1 272	238 7000	14322.00000	1 272	25 02	3 88E+00	4.09
15760 000	-1 342	262 7000	15762.00000	1 342	24 95	4 09E+00	4.30
17200 000	-1 412	286 7000	17202.00000	1 412	24 88	4 31E+00	4.52

Well No. 10992
Measured recovery after sampling

Date: 26-May-94
2nd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume
Extrapolation to 100% recovery



Well No

10992

Date Sampled

2nd quarter

26-May-94

	9:09	Delay	2 00	Minutes
	9:11			
Final bail time	9:09			
Set transducer time	9:11			
Static Water Level (pre-sampling)	31.6	feet below top of casing		
Final water level (post-sampling)	32.2	feet below top of casing		
Last recorded water level	-1.3	feet below transducer		
Transducer Reference Depth	33.5	feet below top of casing		
Bottom of well	33.7	feet below top of casing		
First recorded water level	-0.2	feet below transducer		
First recorded water level	33.3	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	0.2	liters		
Well Diameter	7.0	inches	0.583	feet
Well Radius	3.5	inches	0.292	feet
Casing Diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	4.2	feet below top of casing	0.62	liter/foot
			3.05	liter/foot

Input	data	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
Transducer	Δ head	(minutes)	(feet)	(hours)	final bail (minutes)	(feet of water)	Inflow	water in well
0 000	-0 167	0 0333	0 0333	2 00000	0 167	33 33		
0 003	-0 164	0 0334	0 0334	2 00330	0 164	33 33	5 00E-01	0 73
0 007	-0 167	0 0334	0 0334	2 00660	0 167	33 33	5 09E-01	0 73
0 010	-0 167	0 0335	0 0335	2 01000	0 167	33 33	5 09E 01	0 73
0 013	-0 167	0 0336	0 0336	2 01330	0 167	33 33	5 09E-01	0 73
0 017	-0 167	0 0336	0 0336	2 01660	0 167	33 33	5 09E-01	0 73
0 020	-0 167	0 0337	0 0337	2 02000	0 167	33 33	5 09E-01	0 73
0 023	-0 167	0 0337	0 0337	2 02330	0 167	33 33	5 09E 01	0 73
0 027	-0 167	0 0338	0 0338	2 02660	0 167	33 33	5 09E-01	0 73
0 030	-0 167	0 0338	0 0338	2 03000	0 167	33 33	5 09E-01	0 73
0 033	-0 167	0 0339	0 0339	2 03330	0 167	33 33	5 09E-01	0 73
0 037	-0 167	0 0339	0 0339	2 03660	0 167	33 33	5 09E-01	0 73
0 040	-0 167	0 0340	0 0340	2 04000	0 167	33 33	5 09E-01	0 73
0 043	-0 171	0 0341	0 0341	2 04330	0 171	33 32	5 22E-01	0 75
0 047	-0 171	0 0341	0 0341	2 04660	0 171	33 32	5 22E-01	0 75
0 050	-0 167	0 0342	0 0342	2 05000	0 167	33 33	5 09E 01	0 73
0 053	-0 167	0 0342	0 0342	2 05330	0 167	33 33	5 09E 01	0 73
0 057	-0 167	0 0343	0 0343	2 05660	0 167	33 33	5 09E-01	0 73
0 060	-0 167	0 0343	0 0343	2 06000	0 167	33 33	5 09E-01	0 73
0 063	-0 167	0 0344	0 0344	2 06330	0 167	33 33	5 09E-01	0 73
0 067	-0 167	0 0344	0 0344	2 06660	0 167	33 33	5 09E 01	0 73
0 070	-0 171	0 0345	0 0345	2 07000	0 171	33 32	5 22E-01	0 75
0 073	-0 167	0 0346	0 0346	2 07330	0 167	33 33	5 09E-01	0 73
0 077	-0 171	0 0346	0 0346	2 07660	0 171	33 32	5 22E 01	0 75
0 080	-0 171	0 0347	0 0347	2 08000	0 171	33 32	5 22E 01	0 75
0 083	-0 171	0 0347	0 0347	2 08330	0 171	33 32	5 22E-01	0 75
0 087	-0 171	0 0348	0 0348	2 08660	0 171	33 32	5 22E 01	0 75
0 090	-0 171	0 0348	0 0348	2 09000	0 171	33 32	5 22E-01	0 75
0 093	-0 171	0 0349	0 0349	2 09330	0 171	33 32	5 22E-01	0 75
0 097	-0 171	0 0349	0 0349	2 09660	0 171	33 32	5 22E 01	0 75
0 100	-0 171	0 0350	0 0350	2 10000	0 171	33 32	5 22E 01	0 75
0 103	-0 171	0 0351	0 0351	2 10330	0 171	33 32	5 22E-01	0 75
0 107	-0 171	0 0351	0 0351	2 10660	0 171	33 32	5 22E-01	0 75
0 110	-0 171	0 0352	0 0352	2 11000	0 171	33 32	5 22E-01	0 75
0 113	0 171	0 0352	0 0352	2 11330	0 171	33 32	5 22E-01	0 75
0 117	-0 171	0 0353	0 0353	2 11660	0 171	33 32	5 22E-01	0 75
0 120	-0 171	0 0353	0 0353	2 12000	0 171	33 32	5 22E 01	0 75
0 123	-0 171	0 0354	0 0354	2 12330	0 171	33 32	5 22E-01	0 75

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 127	-0 171	0 0354	2.12660	0 171	33 32	5 22E-01	0 75
0 130	-0 174	0 0355	2.13000	0 174	33 32	5 31E-01	0 76
0 133	-0 174	0 0356	2.13330	0 174	33 32	5 31E-01	0 76
0 137	-0 171	0 0356	2.13660	0 171	33 32	5 22E-01	0 75
0 140	-0 171	0 0357	2.14000	0 171	33 32	5 22E-01	0 75
0 143	-0 174	0 0357	2.14330	0 174	33 32	5 31E-01	0 76
0 147	-0 174	0 0358	2.14660	0 174	33 32	5 31E-01	0 76
0 150	-0 174	0 0358	2.15000	0 174	33 32	5 31E-01	0 76
0 153	-0 174	0 0359	2.15330	0 174	33 32	5 31E-01	0 76
0 157	-0 171	0 0359	2.15660	0 171	33 32	5 22E-01	0 75
0 160	-0 174	0 0360	2.16000	0 174	33 32	5 31E-01	0 76
0 163	-0 174	0 0361	2.16330	0 174	33 32	5 31E-01	0 76
0 167	-0 171	0 0361	2.16660	0 171	33 32	5 22E-01	0 75
0 170	-0 174	0 0362	2.17000	0 174	33 32	5 31E-01	0 76
0 173	-0 174	0 0362	2.17330	0 174	33 32	5 31E-01	0 76
0 177	-0 174	0 0363	2.17660	0 174	33 32	5 31E-01	0 76
0 180	-0 174	0 0363	2.18000	0 174	33 32	5 31E-01	0 76
0 183	-0 174	0 0364	2.18330	0 174	33 32	5 31E-01	0 76
0 187	-0 174	0 0364	2.18660	0 174	33 32	5 31E-01	0 76
0 190	-0 174	0 0365	2.19000	0 174	33 32	5 31E-01	0 76
0 193	-0 174	0 0366	2.19330	0 174	33 32	5 31E-01	0 76
0 197	-0 174	0 0366	2.19660	0 174	33 32	5 31E-01	0 76
0 200	-0 174	0 0367	2.20000	0 174	33 32	5 31E-01	0 76
0 203	-0 174	0 0367	2.20330	0 174	33 32	5 31E-01	0 76
0 207	-0 174	0 0368	2.20660	0 174	33 32	5 31E-01	0 76
0 210	-0 177	0 0368	2.21000	0 177	33 32	5 40E-01	0 76
0 213	-0 174	0 0369	2.21330	0 174	33 32	5 31E-01	0 76
0 217	-0 174	0 0369	2.21660	0 174	33 32	5 31E-01	0 76
0 220	-0 177	0 0370	2.22000	0 177	33 32	5 40E-01	0 76
0 223	-0 177	0 0371	2.22330	0 177	33 32	5 40E-01	0 76
0 227	-0 177	0 0371	2.22660	0 177	33 32	5 40E-01	0 76
0 230	-0 177	0 0372	2.23000	0 177	33 32	5 40E-01	0 76
0 233	-0 177	0 0372	2.23330	0 177	33 32	5 40E-01	0 76
0 237	-0 177	0 0373	2.23660	0 177	33 32	5 40E-01	0 76
0 240	-0 177	0 0373	2.24000	0 177	33 32	5 40E-01	0 76
0 243	-0 177	0 0374	2.24330	0 177	33 32	5 40E-01	0 76
0 247	-0 177	0 0374	2.24660	0 177	33 32	5 40E-01	0 76
0 250	-0 177	0 0375	2.25000	0 177	33 32	5 40E-01	0 76
0 253	-0 177	0 0376	2.25330	0 177	33 32	5 40E-01	0 76
0 257	-0 177	0 0376	2.25660	0 177	33 32	5 40E-01	0 76
0 260	-0 177	0 0377	2.26000	0 177	33 32	5 40E-01	0 76
0 263	-0 177	0 0377	2.26330	0 177	33 32	5 40E-01	0 76
0 267	-0 177	0 0378	2.26660	0 177	33 32	5 40E-01	0 76
0 270	-0 177	0 0378	2.27000	0 177	33 32	5 40E-01	0 76
0 273	-0 180	0 0379	2.27330	0 180	33 31	5 49E-01	0 77
0 277	-0 177	0 0379	2.27660	0 177	33 32	5 40E-01	0 76
0 280	-0 180	0 0380	2.28000	0 180	33 31	5 49E-01	0 77
0 283	-0 180	0 0381	2.28330	0 180	33 31	5 49E-01	0 77
0 287	-0 177	0 0381	2.28660	0 177	33 32	5 40E-01	0 76
0 290	-0 180	0 0382	2.29000	0 180	33 31	5 49E-01	0 77
0 293	-0 180	0 0382	2.29330	0 180	33 31	5 49E-01	0 77
0 297	-0 180	0 0383	2.29660	0 180	33 31	5 49E-01	0 77
0 300	-0 180	0 0383	2.30000	0 180	33 31	5 49E-01	0 77
0 303	-0 177	0 0384	2.30330	0 177	33 32	5 40E-01	0 76
0 307	-0 180	0 0384	2.30660	0 180	33 31	5 49E-01	0 77
0 310	-0 180	0 0385	2.31000	0 180	33 31	5 49E-01	0 77
0 313	-0 180	0 0386	2.31330	0 180	33 31	5 49E-01	0 77
0 317	-0 180	0 0386	2.31660	0 180	33 31	5 49E-01	0 77
0 320	-0 180	0 0387	2.32000	0 180	33 31	5 49E-01	0 77
0 323	-0 180	0 0387	2.32330	0 180	33 31	5 49E-01	0 77
0 327	-0 180	0 0388	2.32660	0 180	33 31	5 49E-01	0 77
0 330	-0 180	0 0388	2.33000	0 180	33 31	5 49E-01	0 77
0 333	-0 180	0 0389	2.33330	0 180	33 31	5 49E-01	0 77
0 350	-0 180	0 0392	2.35000	0 180	33 31	5 49E-01	0 77
0 367	-0 180	0 0394	2.36660	0 180	33 31	5 49E-01	0 77
0 383	-0 180	0 0397	2.38330	0 180	33 31	5 49E-01	0 77
0 400	-0 183	0 0400	2.40000	0 183	33 31	5 58E-01	0 78
0 417	-0 183	0 0403	2.41660	0 183	33 31	5 58E-01	0 78
0 433	-0 183	0 0406	2.43330	0 183	33 31	5 58E-01	0 78
0 450	-0 183	0 0408	2.45000	0 183	33 31	5 58E-01	0 78
0 467	-0 186	0 0411	2.46660	0 186	33 31	5 67E-01	0 79
0 483	-0 186	0 0414	2.48330	0 186	33 31	5 67E-01	0 79
0 500	-0 190	0 0417	2.50000	0 190	33 30	5 80E-01	0 80

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 517	-0 190	0 0419	2.51660	0 190	33 30	5 80E-01	0 80
0 533	-0 190	0 0422	2.53330	0 190	33 30	5 80E-01	0 80
0 550	-0 190	0 0425	2.55000	0 190	33 30	5 80E-01	0 80
0 567	-0 190	0 0428	2.56660	0 190	33 30	5 80E-01	0 80
0 583	-0 193	0 0431	2.58330	0 193	33 30	5 89E-01	0 81
0 600	-0 193	0 0433	2.60000	0 193	33 30	5 89E-01	0 81
0 617	-0 193	0 0436	2.61660	0 193	33 30	5 89E-01	0 81
0 633	-0 193	0 0439	2.63330	0 193	33 30	5 89E-01	0 81
0 650	-0 193	0 0442	2.65000	0 193	33 30	5 89E-01	0 81
0 667	-0 196	0 0444	2.66660	0 196	33 30	5 98E-01	0 82
0 683	-0 196	0 0447	2.68330	0 196	33 30	5 98E-01	0 82
0 700	-0 196	0 0450	2.70000	0 196	33 30	5 98E-01	0 82
0 717	-0 196	0 0453	2.71660	0 196	33 30	5 98E-01	0 82
0 733	-0 196	0 0456	2.73330	0 196	33 30	5 98E-01	0 82
0 750	-0 196	0 0458	2.75000	0 196	33 30	5 98E-01	0 82
0 767	-0 199	0 0461	2.76660	0 199	33 29	6 07E-01	0 83
0 783	-0 199	0 0464	2.78330	0 199	33 29	6 07E-01	0 83
0 800	-0 199	0 0467	2.80000	0 199	33 29	6 07E-01	0 83
0 817	-0 199	0 0469	2.81660	0 199	33 29	6 07E-01	0 83
0 833	-0 202	0 0472	2.83330	0 202	33 29	6 16E-01	0 84
0 850	-0 202	0 0475	2.85000	0 202	33 29	6 16E-01	0 84
0 867	-0 202	0 0478	2.86660	0 202	33 29	6 16E-01	0 84
0 883	-0 205	0 0481	2.88330	0 205	33 29	6 25E-01	0 85
0 900	-0 205	0 0483	2.90000	0 205	33 29	6 25E-01	0 85
0 917	-0 205	0 0486	2.91660	0 205	33 29	6 25E-01	0 85
0 933	-0 205	0 0489	2.93330	0 205	33 29	6 25E-01	0 85
0 950	-0 205	0 0492	2.95000	0 205	33 29	6 25E-01	0 85
0 967	-0 209	0 0494	2.96660	0 209	33 28	6 38E-01	0 86
0 983	-0 209	0 0497	2.98330	0 209	33 28	6 38E-01	0 86
1 000	-0 209	0 0500	3.00000	0 209	33 28	6 38E-01	0 86
1 200	-0 218	0 0533	3.20000	0 218	33 28	6 65E-01	0 89
1 400	-0 224	0 0567	3.40000	0 224	33 27	6.83E-01	0 91
1 600	-0 234	0 0600	3.60000	0 234	33 26	7 14E-01	0 94
1 800	-0 240	0 0633	3.80000	0 240	33 25	7 32E-01	0 96
2 000	-0 247	0 0667	4.00000	0 247	33 25	7 54E-01	0 98
2.200	-0 250	0 0700	4.20000	0 250	33 24	7 63E-01	0 99
2.400	-0 256	0 0733	4.40000	0 256	33 24	7 81E-01	1 01
2.600	-0 262	0 0767	4.60000	0 262	33 23	7 99E-01	1 02
2 800	-0 266	0 0800	4.80000	0 266	33 23	8 11E-01	1 04
3 000	-0 269	0 0833	5.00000	0 269	33 22	8 21E-01	1 05
3 200	-0 272	0 0867	5.20000	0 272	33 22	8 30E-01	1 05
3 400	-0 278	0 0900	5.40000	0.278	33 22	8 48E-01	1 07
3 600	-0 281	0 0933	5.60000	0 281	33 21	8 57E-01	1 08
3 800	-0 285	0 0967	5.80000	0 285	33 21	8 69E-01	1 09
4 000	-0 285	0 1000	6.00000	0 285	33 21	8 69E-01	1 09
4 200	-0 291	0 1033	6.20000	0 291	33 20	8 88E-01	1 11
4 400	-0 294	0 1067	6.40000	0 294	33 20	8 97E-01	1 12
4 600	-0 294	0 1100	6.60000	0 294	33 20	8 97E-01	1 12
4 800	-0 297	0 1133	6.80000	0 297	33 20	9 06E-01	1 13
5 000	-0 300	0 1167	7.00000	0 300	33 19	9 15E-01	1 14
5 200	-0 304	0 1200	7.20000	0 304	33 19	9 27E-01	1 15
5 400	-0 307	0 1233	7.40000	0 307	33 19	9 37E-01	1 16
5 600	-0 310	0 1267	7.60000	0 310	33 18	9 46E-01	1 17
5 800	-0 313	0 1300	7.80000	0 313	33 18	9 55E-01	1 18
6 000	-0 313	0 1333	8.00000	0 313	33 18	9 55E-01	1 18
6 200	-0 316	0 1367	8.20000	0 316	33 18	9 64E-01	1 19
6 400	-0 316	0 1400	8.40000	0 316	33 18	9 64E-01	1 19
6 600	-0 319	0 1433	8.60000	0 319	33 17	9 73E-01	1 20
6 800	-0 323	0 1467	8.80000	0 323	33 17	9 85E-01	1 21
7 000	-0 323	0 1500	9.00000	0 323	33 17	9 85E-01	1 21
7 200	-0 323	0 1533	9.20000	0 323	33 17	9 85E-01	1 21
7 400	-0 326	0 1567	9.40000	0 326	33 17	9 95E-01	1 22
7 600	-0 326	0 1600	9.60000	0 326	33 17	9 95E-01	1 22
7 800	-0 329	0 1633	9.80000	0 329	33 16	1 00E+00	1 23
8 000	-0 332	0 1667	10.00000	0 332	33 16	1 01E+00	1 24
8 200	-0 332	0 1700	10.20000	0 332	33 16	1 01E+00	1 24
8 400	-0 332	0 1733	10.40000	0 332	33 16	1 01E+00	1 24
8 600	-0 335	0 1767	10.60000	0 335	33 16	1 02E+00	1 25
8 800	-0 335	0 1800	10.80000	0 335	33 16	1 02E+00	1 25
9 000	-0 338	0 1833	11.00000	0 338	33 16	1 03E+00	1 26
9 200	-0 338	0 1867	11.20000	0 338	33 16	1 03E+00	1 26
9 400	-0 342	0 1900	11.40000	0 342	33 15	1 04E+00	1 27
9 600	-0 342	0 1933	11.60000	0 342	33 15	1 04E+00	1 27

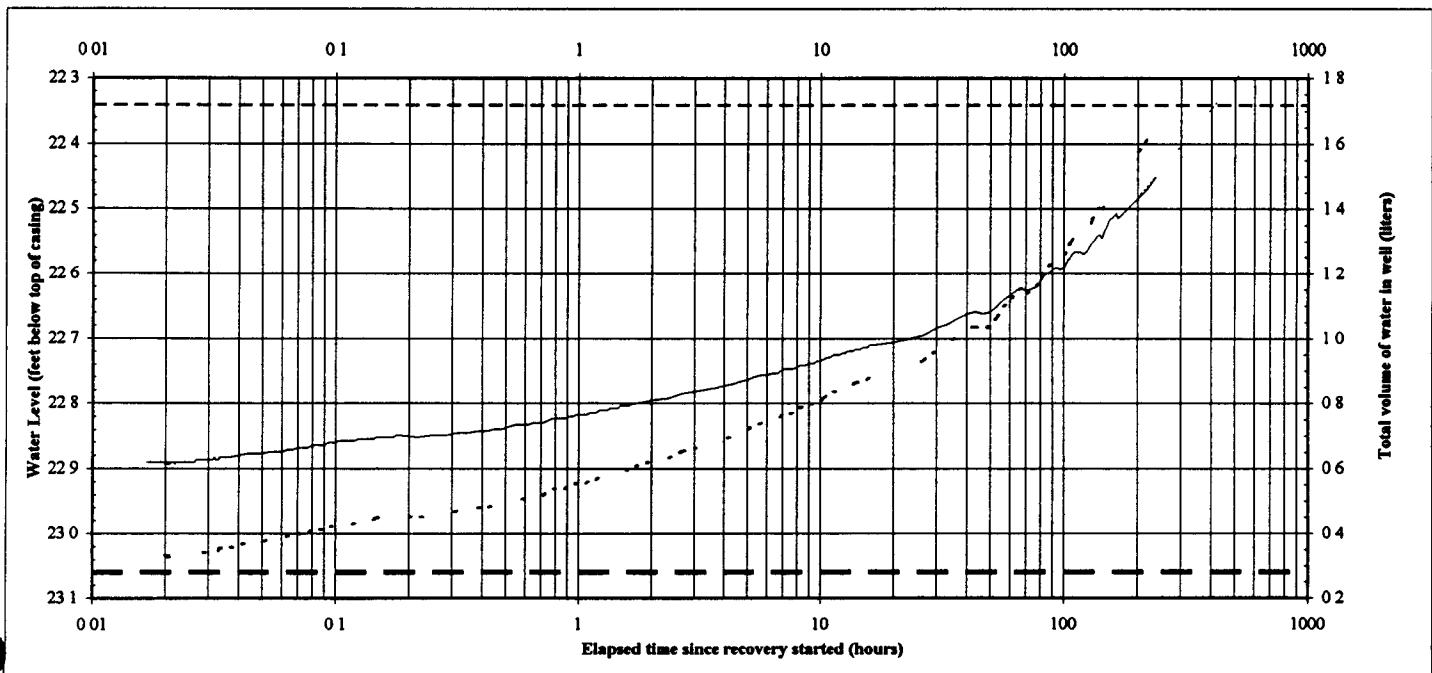
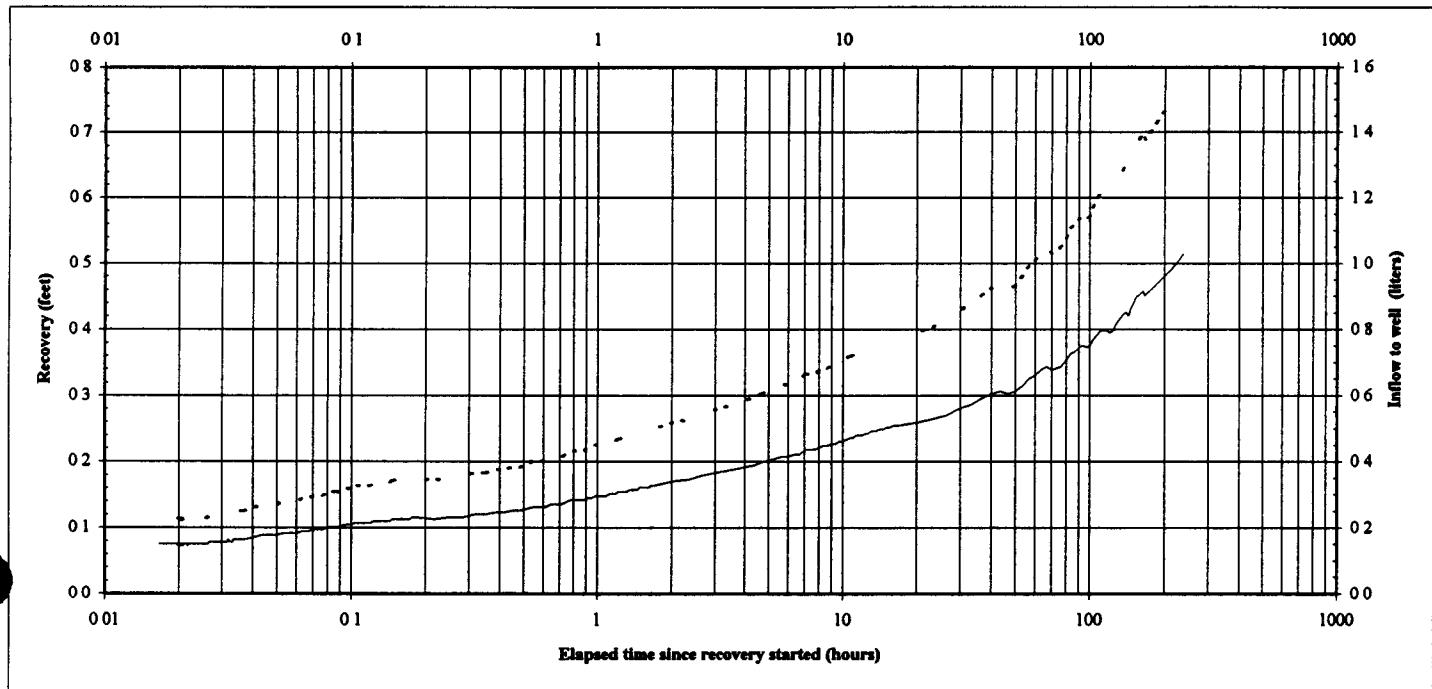
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
9 800	-0 342	0 1967	11 80000	0 342	33 15	1 04E+00	1 27
10 000	-0 345	0 2000	12 00000	0 345	33 15	1 05E+00	1 28
12 000	-0 351	0 2333	14 00000	0 351	33 14	1 07E+00	1 30
14 000	-0 357	0 2667	16 00000	0 357	33 14	1 09E+00	1 31
16 000	-0 367	0 3000	18 00000	0 367	33 13	1 12E+00	1 34
18 000	-0 373	0 3333	20 00000	0 373	33 12	1 14E+00	1 36
20 000	-0 380	0 3667	22 00000	0 380	33 11	1 16E+00	1 38
22 000	-0 386	0 4000	24 00000	0 386	33 11	1 18E+00	1 40
24 000	-0 389	0 4333	26 00000	0 389	33 10	1 19E+00	1 41
26 000	-0 392	0 4667	28 00000	0 392	33 10	1 20E+00	1 42
28 000	-0 399	0 5000	30 00000	0 399	33 09	1 22E+00	1 44
30 000	-0 399	0 5333	32 00000	0 399	33 09	1 22E+00	1 44
32 000	-0 405	0 5667	34 00000	0 405	33 09	1 24E+00	1 46
34 000	-0 408	0 6000	36 00000	0 408	33 09	1 24E+00	1 47
36 000	-0 411	0 6333	38 00000	0 411	33 08	1 25E+00	1 48
38 000	-0 411	0 6667	40 00000	0 411	33 08	1 25E+00	1 48
40 000	-0 414	0 7000	42 00000	0 414	33 08	1 26E+00	1 49
42 000	-0 418	0 7333	44 00000	0 418	33 08	1 28E+00	1 50
44 000	-0 421	0 7667	46 00000	0 421	33 07	1 28E+00	1 51
46 000	-0 421	0 8000	48 00000	0 421	33 07	1 28E+00	1 51
48 000	-0 424	0 8333	50 00000	0 424	33 07	1 29E+00	1 52
50 000	-0 424	0 8667	52 00000	0 424	33 07	1 29E+00	1 52
52 000	-0 427	0 9000	54 00000	0 427	33 07	1 30E+00	1 53
54 000	-0 430	0 9333	56 00000	0 430	33 06	1 31E+00	1 54
56 000	-0 430	0 9667	58 00000	0 430	33 06	1 31E+00	1 54
58 000	-0 430	1 0000	60 00000	0 430	33 06	1 31E+00	1 54
60 000	-0 433	1 0333	62 00000	0 433	33 06	1 32E+00	1 55
62 000	-0 433	1 0667	64 00000	0 433	33 06	1 32E+00	1 55
64 000	-0 437	1 1000	66 00000	0 437	33 06	1 33E+00	1 56
66 000	-0 440	1 1333	68 00000	0 440	33 05	1 34E+00	1 57
68 000	-0 440	1 1667	70 00000	0 440	33 05	1 34E+00	1 57
70 000	-0 443	1 2000	72 00000	0 443	33 05	1 35E+00	1 58
72 000	-0 440	1 2333	74 00000	0 440	33 05	1 34E+00	1 57
74 000	-0 443	1 2667	76 00000	0 443	33 05	1 35E+00	1 58
76 000	-0 443	1 3000	78 00000	0 443	33 05	1 35E+00	1 58
78 000	-0 443	1 3333	80 00000	0 443	33 05	1 35E+00	1 58
80 000	-0 443	1 3667	82 00000	0 443	33 05	1 35E+00	1 58
82 000	-0 446	1 4000	84 00000	0 446	33 05	1 36E+00	1 59
84 000	-0 449	1 4333	86 00000	0 449	33 04	1 37E+00	1 59
86 000	-0 449	1 4667	88 00000	0 449	33 04	1 37E+00	1 59
88 000	-0 449	1 5000	90 00000	0 449	33 04	1 37E+00	1 59
90 000	-0 449	1 5333	92 00000	0 449	33 04	1 37E+00	1 59
92 000	-0 449	1 5667	94 00000	0 449	33 04	1 37E+00	1 59
94 000	-0 453	1 6000	96 00000	0 453	33 04	1 38E+00	1 61
96 000	-0 453	1 6333	98 00000	0 453	33 04	1 38E+00	1 61
98 000	-0 453	1 6667	100 00000	0 453	33 04	1 38E+00	1 61
100 000	-0 456	1 7000	102 00000	0 456	33 04	1 39E+00	1 62
120 000	-0 462	2.0333	122.00000	0 462	33 03	1 41E+00	1 63
140 000	-0 468	2.3667	142.00000	0 468	33 03	1 43E+00	1 65
160 000	-0 475	2.7000	162.00000	0 475	33 02	1 45E+00	1 67
180 000	-0 481	3.0333	182.00000	0 481	33 01	1 47E+00	1 69
200 000	-0 484	3.3667	202.00000	0 484	33 01	1 48E+00	1 70
220 000	-0 487	3.7000	222.00000	0 487	33 01	1 49E+00	1 71
240 000	-0 491	4.0333	242.00000	0 491	33 00	1 50E+00	1 72
260 000	-0 494	4.3667	262.00000	0 494	33 00	1 51E+00	1 73
280 000	-0 497	4.7000	282.00000	0 497	33 00	1 52E+00	1 74
300 000	-0 503	5.0333	302.00000	0 503	32 99	1 53E+00	1 76
320 000	-0 503	5.3667	322.00000	0 503	32 99	1 53E+00	1 76
340 000	-0 510	5.7000	342.00000	0 510	32 98	1 56E+00	1 78
360 000	-0 510	6.0333	362.00000	0 510	32 98	1 56E+00	1 78
380 000	-0 513	6.3667	382.00000	0 513	32 98	1 56E+00	1 79
400 000	-0 516	6.7000	402.00000	0 516	32.98	1 57E+00	1 80
420 000	-0 519	7.0333	422.00000	0 519	32 97	1 58E+00	1 81
440 000	-0 519	7.3667	442.00000	0 519	32 97	1 58E+00	1 81
460 000	-0 522	7.7000	462.00000	0 522	32 97	1 59E+00	1 82
480 000	-0 525	8.0333	482.00000	0 525	32 97	1 60E+00	1 83
500 000	-0 525	8.3667	502.00000	0 525	32 97	1 60E+00	1 83
520 000	-0 529	8.7000	522.00000	0 529	32 96	1 61E+00	1 84
540 000	-0 532	9.0333	542.00000	0 532	32 96	1 62E+00	1 85
560 000	-0 535	9.3667	562.00000	0 535	32 96	1 63E+00	1 86
580 000	-0 538	9.7000	582.00000	0 538	32 96	1 64E+00	1 87
600 000	-0 538	10.0333	602.00000	0 538	32 96	1 64E+00	1 87
620 000	-0 541	10.3667	622.00000	0 541	32 95	1 65E+00	1 88

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftde)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
640 000	-0 541	10 7000	642.00000	0 541	32.95	1 65E+00	1 88
660 000	-0 544	11 0333	662.00000	0 544	32.95	1 66E+00	1 88
680 000	-0 548	11 3667	682.00000	0 548	32.95	1 67E+00	1 90
700 000	-0 548	11 7000	702.00000	0 548	32.95	1 67E+00	1 90
720 000	-0 551	12.0333	722.00000	0 551	32.94	1 68E+00	1 91
740 000	-0 551	12.3667	742.00000	0 551	32.94	1 68E+00	1 91
760 000	-0 554	12.7000	762.00000	0 554	32.94	1 69E+00	1 91
780 000	-0 554	13 0333	782.00000	0 554	32.94	1 69E+00	1 91
800 000	-0 554	13 3667	802.00000	0 554	32.94	1 69E+00	1 91
820 000	-0 557	13 7000	822.00000	0 557	32.94	1 70E+00	1 92
840 000	-0 557	14 0333	842.00000	0 557	32.94	1 70E+00	1 92
860 000	-0 560	14 3667	862.00000	0 560	32.93	1 71E+00	1 93
880 000	-0 560	14 7000	882.00000	0 560	32.93	1 71E+00	1 93
900 000	-0 563	15 0333	902.00000	0 563	32.93	1 72E+00	1 94
920 000	-0 563	15 3667	922.00000	0 563	32.93	1 72E+00	1 94
940 000	-0 567	15 7000	942.00000	0 567	32.93	1 73E+00	1 95
960 000	-0 567	16.0333	962.00000	0 567	32.93	1 73E+00	1 95
980 000	-0 570	16 3667	982.00000	0 570	32.92	1 74E+00	1 96
1000 000	-0 570	16 7000	1002.00000	0 570	32.92	1 74E+00	1 96
1200 000	-0 586	20 0333	1202.00000	0 586	32.91	1 79E+00	2 01
1400 000	-0 595	23 3667	1402.00000	0 595	32.90	1 82E+00	2 04
1600 000	-0 608	26 7000	1602.00000	0 608	32.89	1 85E+00	2 08
1800 000	-0 624	30 0333	1802.00000	0 624	32.87	1 90E+00	2 13
2000 000	-0 636	33 3667	2002.00000	0 636	32.86	1 94E+00	2 17
2200 000	-0 652	36.7000	2202.00000	0 652	32.84	1 99E+00	2 21
2400 000	-0 662	40 0333	2402.00000	0 662	32.83	2 02E+00	2 24
2600 000	-0 671	43 3667	2602.00000	0 671	32.82	2 05E+00	2 27
2800 000	-0 681	46 7000	2802.00000	0 681	32.81	2 08E+00	2 30
3000 000	-0 693	50 0333	3002.00000	0 693	32.80	2 11E+00	2 34
3200 000	-0 706	53 3667	3202.00000	0 706	32.79	2 15E+00	2 38
3400 000	-0 715	56 7000	3402.00000	0 715	32.78	2 18E+00	2 41
3600 000	-0 728	60 0333	3602.00000	0 728	32.77	2 22E+00	2 45
3800 000	-0 738	63 3667	3802.00000	0 738	32.76	2 25E+00	2 48
4000 000	-0 747	66.7000	4002.00000	0 747	32.75	2 28E+00	2 50
4200 000	-0 757	70 0333	4202.00000	0 757	32.74	2 31E+00	2 53
4400 000	-0 766	73 3667	4402.00000	0 766	32.73	2 34E+00	2 56
4600 000	-0 776	76 7000	4602.00000	0 776	32.72	2 37E+00	2 59
4800 000	-0 791	80 0333	4802.00000	0 791	32.70	2 41E+00	2 64
5000 000	-0 804	83 3667	5002.00000	0 804	32.69	2 45E+00	2 68
5200 000	-0 811	86 7000	5202.00000	0 811	32.68	2 47E+00	2 70
5400 000	-0 820	90 0333	5402.00000	0 820	32.67	2 50E+00	2 73
5600 000	-0 826	93 3667	5602.00000	0 826	32.67	2 52E+00	2 74
5800 000	-0 833	96 7000	5802.00000	0 833	32.66	2 54E+00	2 77
6000 000	-0 842	100 0333	6002.00000	0 842	32.65	2 57E+00	2 79
6200 000	-0 852	103 3667	6202.00000	0 852	32.64	2 60E+00	2 82
6400 000	-0 868	106 7000	6402.00000	0 868	32.63	2 65E+00	2 87
6600 000	-0 871	110 0333	6602.00000	0 871	32.62	2 66E+00	2 88
6800 000	-0 877	113 3667	6802.00000	0 877	32.62	2 68E+00	2 90
7000 000	-0 887	116 7000	7002.00000	0 887	32.61	2 71E+00	2 93
7200 000	-0 893	120 0333	7202.00000	0 893	32.60	2 72E+00	2 95
7400 000	-0 899	123 3667	7402.00000	0 899	32.59	2 74E+00	2 97
7600 000	-0 912	126 7000	7602.00000	0 912	32.58	2 78E+00	3 01
7800 000	-0 921	130 0333	7802.00000	0 921	32.57	2 81E+00	3 03
8000 000	-0 928	133 3667	8002.00000	0 928	32.57	2 83E+00	3 06
8200 000	-0 937	136 7000	8202.00000	0 937	32.56	2 86E+00	3 08
8400 000	-0 947	140 0333	8402.00000	0 947	32.55	2 89E+00	3 11
8600 000	-0 953	143 3667	8602.00000	0 953	32.54	2 91E+00	3 13
8800 000	-0 959	146 7000	8802.00000	0 959	32.53	2 93E+00	3 15
9000 000	-0 969	150 0333	9002.00000	0 969	32.52	2 96E+00	3 18
9200 000	-0 982	153 3667	9202.00000	0 982	32.51	3 00E+00	3 22
9400 000	-0 988	156 7000	9402.00000	0 988	32.51	3 01E+00	3 24
9600 000	-0 997	160 0333	9602.00000	0 997	32.50	3 04E+00	3 27
9800 000	-1 004	163 3667	9802.00000	1 004	32.49	3 06E+00	3 29
10000 000	-1 010	166 7000	10002.00000	1 010	32.48	3 08E+00	3 31
11440 000	-1 067	190 7000	11442.00000	1 067	32.43	3 26E+00	3 48
12880 000	-1 130	214 7000	12882.00000	1 130	32.36	3 45E+00	3 67
14320 000	-1 181	238 7000	14322.00000	1 181	32.31	3 60E+00	3 83
15760 000	-1 232	262 7000	15762.00000	1 232	32.26	3 76E+00	3 98
17200 000	-1 283	286 7000	17202.00000	1 283	32.21	3 91E+00	4 14

Well No. 11092
Measured recovery after sampling

Date: 27-May-94
2nd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well
 - - - Water Level
 - - - Volume
 - - - Extrapolation to 100% recovery



Well No.

11092

Date Sampled

2nd quarter
27-May-94

Final bail time	11:01	Delay	1 00	Minutes
Set transducer time	11:02			
Static Water Level (pre-sampling)	22.3	feet below top of casing		
Final water level (post-sampling)	22.3	feet below top of casing		
Last recorded water level	22.5	feet below transducer		
Transducer Reference Depth	23.0	feet below top of casing		
Bottom of well	23.1	feet below top of casing		
First recorded water level	24.1	feet below transducer		
First recorded water level	22.9	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	0.1	liters		
Well Diameter	7.0	inches	0.583	feet
Well Radius	3.5	inches	0.292	feet
Casing Diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	3.0	feet below top of casing		
				0.62 liter/foot
				3.05 liter/foot

Input	data	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
Transducer Elapsed Time		(minutes)	Δ head	(hours)	final bail (minutes)	(Feet of water)	water in well
(minutes)	(feet)		(feet)			(fbtc)	(Liters)
0 000	-0 075	0 0167	0 00000	0 075	22.89	2.29E-01	0.33
0 003	-0 075	0 0167	1 00330	0 075	22.89	2.29E-01	0.33
0 007	-0 075	0 0168	1 00660	0 075	22.89	2.29E-01	0.33
0 010	-0 075	0 0168	1 01000	0 075	22.89	2.29E-01	0.33
0 013	-0 075	0 0169	1 01330	0 075	22.89	2.29E-01	0.33
0 017	-0 075	0 0169	1 01660	0 075	22.89	2.29E-01	0.33
0 020	-0 075	0 0170	1 02000	0 075	22.89	2.29E-01	0.33
0 023	-0 075	0 0171	1 02330	0 075	22.89	2.29E-01	0.33
0 027	-0 075	0 0171	1 02660	0 075	22.89	2.29E-01	0.33
0 030	-0 075	0 0172	1 03000	0 075	22.89	2.29E-01	0.33
0 033	-0 075	0 0172	1 03330	0 075	22.89	2.29E-01	0.33
0 037	-0 075	0 0173	1 03660	0 075	22.89	2.29E-01	0.33
0 040	-0 075	0 0173	1 04000	0 075	22.89	2.29E-01	0.33
0 043	-0 075	0 0174	1 04330	0 075	22.89	2.29E-01	0.33
0 047	-0 075	0 0174	1 04660	0 075	22.89	2.29E-01	0.33
0 050	-0 075	0 0175	1 05000	0 075	22.89	2.29E-01	0.33
0 053	-0 075	0 0176	1 05330	0 075	22.89	2.29E-01	0.33
0 057	-0 075	0 0176	1 05660	0 075	22.89	2.29E-01	0.33
0 060	-0 075	0 0177	1 06000	0 075	22.89	2.29E-01	0.33
0 063	-0 075	0 0177	1 06330	0 075	22.89	2.29E-01	0.33
0 067	-0 075	0 0178	1 06660	0 075	22.89	2.29E-01	0.33
0 070	-0 075	0 0178	1 07000	0 075	22.89	2.29E-01	0.33
0 073	-0 075	0 0179	1 07330	0 075	22.89	2.29E-01	0.33
0 077	-0 075	0 0179	1 07660	0 075	22.89	2.29E-01	0.33
0 080	-0 075	0 0180	1 08000	0 075	22.89	2.29E-01	0.33
0 083	-0 075	0 0181	1 08330	0 075	22.89	2.29E-01	0.33
0 087	-0 075	0 0181	1 08660	0 075	22.89	2.29E-01	0.33
0 090	-0 075	0 0182	1 09000	0 075	22.89	2.29E-01	0.33
0 093	-0 075	0 0182	1 09330	0 075	22.89	2.29E-01	0.33
0 097	-0 075	0 0183	1 09660	0 075	22.89	2.29E-01	0.33
0 100	-0 075	0 0183	1 10000	0 075	22.89	2.29E-01	0.33
0 103	-0 075	0 0184	1 10330	0 075	22.89	2.29E-01	0.33
0 107	-0 075	0 0184	1 10660	0 075	22.89	2.29E-01	0.33
0 110	-0 075	0 0185	1 11000	0 075	22.89	2.29E-01	0.33
0 113	-0 075	0 0186	1 11330	0 075	22.89	2.29E-01	0.33
0 117	-0 075	0 0186	1 11660	0 075	22.89	2.29E-01	0.33
0 120	-0 075	0 0187	1 12000	0 075	22.89	2.29E-01	0.33
0 123	-0 075	0 0187	1 12330	0 075	22.89	2.29E-01	0.33
0 127	-0 075	0 0188	1 12660	0 075	22.89	2.29E-01	0.33

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-0 075	0 0188	1 13000	0 075	22.89	2 29E-01	0 33
0 133	-0 075	0 0189	1 13330	0 075	22.89	2 29E-01	0 33
0 137	-0 075	0 0189	1 13660	0 075	22.89	2 29E-01	0 33
0 140	-0 075	0 0190	1 14000	0 075	22.89	2 29E-01	0 33
0 143	-0 075	0 0191	1 14330	0 075	22.89	2.29E-01	0 33
0 147	-0 075	0 0191	1 14660	0 075	22.89	2.29E-01	0 33
0 150	-0 075	0 0192	1 15000	0 075	22.89	2 29E-01	0 33
0 153	-0 075	0 0192	1 15330	0 075	22.89	2 29E-01	0 33
0 157	-0 075	0 0193	1 15660	0 075	22.89	2.29E-01	0 33
0 160	-0 075	0 0193	1 16000	0 075	22.89	2 29E-01	0 33
0 163	-0 075	0 0194	1 16330	0 075	22.89	2 29E-01	0 33
0 167	-0 075	0 0194	1 16660	0 075	22.89	2 29E-01	0 33
0 170	-0 075	0 0195	1 17000	0 075	22.89	2.29E-01	0 33
0 173	-0 075	0 0196	1 17330	0 075	22.89	2 29E-01	0 33
0 177	-0 075	0 0196	1 17660	0 075	22.89	2 29E-01	0 33
0 180	-0 075	0 0197	1 18000	0 075	22.89	2.29E-01	0 33
0 183	-0 075	0 0197	1 18330	0 075	22.89	2 29E-01	0 33
0 187	-0 075	0 0198	1 18660	0 075	22.89	2 29E-01	0 33
0 190	-0 072	0 0198	1 19000	0 072	22.89	2 20E-01	0 32
0 193	-0 075	0 0199	1 19330	0 075	22.89	2.29E-01	0 33
0 197	-0 075	0 0199	1 19660	0 075	22.89	2.29E-01	0 33
0 200	-0 075	0 0200	1 20000	0 075	22.89	2.29E-01	0 33
0 203	-0 075	0 0201	1 20330	0 075	22.89	2 29E-01	0 33
0 207	-0 072	0 0201	1 20660	0 072	22.89	2.20E-01	0 32
0 210	-0 075	0 0202	1 21000	0 075	22.89	2 29E-01	0 33
0 213	-0 072	0 0202	1 21330	0 072	22.89	2 20E-01	0 32
0 217	-0 075	0 0203	1 21660	0 075	22.89	2 29E-01	0 33
0 220	-0 072	0 0203	1 22000	0 072	22.89	2 20E-01	0 32
0 223	-0 075	0 0204	1 22330	0 075	22.89	2 29E-01	0 33
0 227	-0 075	0 0204	1 22660	0 075	22.89	2 29E-01	0 33
0 230	-0 072	0 0205	1 23000	0 072	22.89	2 20E-01	0 32
0 233	-0 072	0 0206	1 23330	0 072	22.89	2 20E-01	0 32
0 237	-0 075	0 0206	1 23660	0 075	22.89	2 29E-01	0 33
0 240	-0 075	0 0207	1 24000	0 075	22.89	2 29E-01	0 33
0 243	-0 072	0 0207	1 24330	0 072	22.89	2.20E-01	0 32
0 247	-0 075	0 0208	1 24660	0 075	22.89	2.29E-01	0 33
0 250	-0 072	0 0208	1 25000	0 072	22.89	2 20E-01	0 32
0 253	-0 072	0 0209	1 25330	0 072	22.89	2.20E-01	0 32
0 257	-0 075	0 0209	1 25660	0 075	22.89	2.29E-01	0 33
0 260	-0 075	0 0210	1 26000	0 075	22.89	2.29E-01	0 33
0 263	-0 075	0 0211	1 26330	0 075	22.89	2.29E-01	0 33
0 267	-0 075	0 0211	1 26660	0 075	22.89	2.29E-01	0 33
0 270	-0 075	0 0212	1 27000	0 075	22.89	2 29E-01	0 33
0 273	-0 075	0 0212	1 27330	0 075	22.89	2 29E-01	0 33
0 277	-0 075	0 0213	1 27660	0 075	22.89	2 29E-01	0 33
0 280	-0 075	0 0213	1 28000	0 075	22.89	2 29E-01	0 33
0 283	-0 075	0 0214	1 28330	0 075	22.89	2 29E-01	0 33
0 287	-0 075	0 0214	1 28660	0 075	22.89	2 29E-01	0 33
0 290	-0 075	0 0215	1 29000	0 075	22.89	2 29E-01	0 33
0 293	-0 075	0 0216	1 29330	0 075	22.89	2 29E-01	0 33
0 297	-0 075	0 0216	1 29660	0 075	22.89	2 29E-01	0 33
0 300	-0 075	0 0217	1 30000	0 075	22.89	2 29E-01	0 33
0 303	-0 075	0 0217	1 30330	0 075	22.89	2.29E-01	0 33
0 307	-0 075	0 0218	1 30660	0 075	22.89	2 29E-01	0 33
0 310	-0 072	0 0218	1 31000	0 072	22.89	2 20E-01	0 32
0 313	-0 075	0 0219	1 31330	0 075	22.89	2 29E-01	0 33
0 317	-0 075	0 0219	1 31660	0 075	22.89	2 29E-01	0 33
0 320	-0 075	0 0220	1 32000	0 075	22.89	2 29E-01	0 33
0 323	-0 075	0 0221	1 32330	0 075	22.89	2 29E-01	0 33
0 327	-0 075	0 0221	1 32660	0 075	22.89	2 29E-01	0 33
0 330	-0 075	0 0222	1 33000	0 075	22.89	2 29E-01	0 33
0 333	-0 075	0 0222	1 33330	0 075	22.89	2 29E-01	0 33
0 350	-0 075	0 0225	1 35000	0 075	22.89	2 29E-01	0 33
0 367	-0 075	0 0228	1 36660	0 075	22.89	2 29E-01	0 33
0 383	-0 075	0 0231	1 38330	0 075	22.89	2.29E-01	0 33
0 400	-0 075	0 0233	1 40000	0 075	22.89	2 29E-01	0 33
0 417	-0 075	0 0236	1 41660	0 075	22.89	2.29E-01	0 33
0 433	-0 075	0 0239	1 43330	0 075	22.89	2 29E-01	0 33
0 450	-0 075	0 0242	1 45000	0 075	22.89	2 29E-01	0 33
0 467	-0 075	0 0244	1 46660	0 075	22.89	2 29E-01	0 33
0 483	-0 075	0 0247	1 48330	0 075	22.89	2 29E-01	0 33
0 500	-0 075	0 0250	1 50000	0 075	22.89	2 29E-01	0 33
0 517	-0 075	0 0253	1 51660	0 075	22.89	2 29E-01	0 33

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 075	0 0256	1 53330	0 075	22 89	2 29E-01	0 33
0 550	-0 075	0 0258	1 55000	0 075	22 89	2 29E-01	0 33
0 567	-0 075	0 0261	1 56660	0 075	22 89	2.29E-01	0 33
0 583	-0 075	0 0264	1 58330	0 075	22.89	2.29E-01	0 33
0 600	-0 078	0 0267	1 60000	0 078	22 89	2.38E-01	0 34
0 617	-0 078	0 0269	1 61660	0 078	22 89	2.38E-01	0 34
0 633	-0 078	0 0272	1 63330	0 078	22.89	2.38E-01	0 34
0 650	-0 078	0 0275	1 65000	0 078	22 89	2.38E-01	0 34
0 667	-0 078	0 0278	1 66660	0 078	22 89	2.38E-01	0 34
0 683	-0 078	0 0281	1 68330	0 078	22 89	2.38E-01	0 34
0 700	-0 078	0 0283	1 70000	0 078	22 89	2.38E-01	0 34
0 717	-0 078	0 0286	1 71660	0 078	22 89	2.38E-01	0 34
0 733	-0 078	0 0289	1 73330	0 078	22 89	2.38E-01	0 34
0 750	-0 078	0 0292	1 75000	0 078	22 89	2.38E-01	0 34
0 767	-0 078	0 0294	1 76660	0 078	22 89	2.38E-01	0 34
0 783	-0 078	0 0297	1 78330	0 078	22 89	2.38E-01	0 34
0 800	-0 078	0 0300	1 80000	0 078	22 89	2.38E-01	0 34
0 817	-0 078	0 0303	1 81660	0 078	22 89	2.38E-01	0 34
0 833	-0 078	0 0306	1 83330	0 078	22 89	2.38E-01	0 34
0 850	-0 078	0 0308	1 85000	0 078	22 89	2.38E-01	0 34
0 867	-0 078	0 0311	1 86660	0 078	22 89	2.38E-01	0 34
0 883	-0 078	0 0314	1 88330	0 078	22.89	2.38E-01	0 34
0 900	-0 082	0 0317	1 90000	0 082	22 88	2.50E-01	0 36
0 917	-0 082	0 0319	1 91660	0 082	22.88	2.50E-01	0 36
0 933	-0 078	0 0322	1 93330	0 078	22 89	2.38E-01	0 34
0 950	-0 078	0 0325	1 95000	0 078	22 89	2.38E-01	0 34
0 967	-0 078	0 0328	1 96660	0 078	22 89	2.38E-01	0 34
0 983	-0 078	0 0331	1 98330	0 078	22.89	2.38E-01	0 34
1 000	-0 082	0 0333	2.00000	0 082	22 88	2.50E-01	0 36
1 200	-0 082	0 0367	2.20000	0 082	22 88	2.50E-01	0 36
1 400	-0 085	0 0400	2 40000	0 085	22 88	2.59E-01	0 36
1 600	-0 088	0 0433	2 60000	0 088	22.88	2.68E-01	0 37
1 800	-0 088	0 0467	2 80000	0 088	22.88	2.68E-01	0 37
2 000	-0 088	0 0500	3 00000	0 088	22 88	2.68E-01	0 37
2 200	-0 091	0 0533	3 20000	0 091	22 87	2.78E-01	0 38
2.400	-0 091	0 0567	3 40000	0 091	22.87	2.78E-01	0 38
2 600	-0 091	0 0600	3 60000	0 091	22 87	2.78E-01	0 38
2.800	-0 094	0 0633	3 80000	0 094	22 87	2.87E-01	0 39
3 000	-0 094	0 0667	4 00000	0 094	22 87	2.87E-01	0 39
3 200	-0 097	0 0700	4 20000	0 097	22.87	2.96E-01	0 40
3 400	-0 097	0 0733	4 40000	0 097	22 87	2.96E-01	0 40
3 600	-0 097	0 0767	4 60000	0 097	22 87	2.96E-01	0 40
3 800	-0 101	0 0800	4 80000	0 101	22 86	3 08E-01	0 41
4 000	-0 101	0 0833	5 00000	0 101	22.86	3 08E-01	0 41
4 200	-0 101	0 0867	5 20000	0 101	22 86	3 08E-01	0 41
4 400	-0 101	0 0900	5 40000	0 101	22 86	3 08E-01	0 41
4 600	-0 104	0 0933	5 60000	0 104	22 86	3 17E-01	0 42
4 800	-0 104	0 0967	5 80000	0 104	22.86	3 17E-01	0 42
5 000	-0 104	0 1000	6 00000	0 104	22 86	3 17E-01	0 42
5 200	-0 107	0 1033	6 20000	0 107	22 86	3 26E-01	0 43
5 400	-0 107	0 1067	6 40000	0 107	22 86	3 26E-01	0 43
5 600	-0 107	0 1100	6 60000	0 107	22 86	3 26E-01	0 43
5 800	-0 107	0 1133	6 80000	0 107	22 86	3 26E-01	0 43
6 000	-0 107	0 1167	7 00000	0 107	22 86	3 26E-01	0 43
6 200	-0 107	0 1200	7 20000	0 107	22.86	3 26E-01	0 43
6 400	-0 110	0 1233	7 40000	0 110	22 86	3 36E-01	0 44
6 600	-0 110	0 1267	7 60000	0 110	22 86	3 36E-01	0 44
6 800	-0 110	0 1300	7 80000	0 110	22 86	3 36E-01	0 44
7 000	-0 110	0 1333	8 00000	0 110	22 86	3 36E-01	0 44
7 200	-0 110	0 1367	8 20000	0 110	22 86	3 36E-01	0 44
7 400	-0 110	0 1400	8 40000	0 110	22 86	3 36E-01	0 44
7 600	-0 110	0 1433	8 60000	0 110	22.86	3 36E-01	0 44
7 800	-0 113	0 1467	8 80000	0 113	22 85	3 45E-01	0 45
8 000	-0 113	0 1500	9 00000	0 113	22 85	3 45E-01	0 45
8 200	-0 113	0 1533	9 20000	0 113	22 85	3 45E-01	0 45
8 400	-0 113	0 1567	9 40000	0 113	22 85	3 45E-01	0 45
8 600	-0 113	0 1600	9 60000	0 113	22 85	3 45E-01	0 45
8 800	-0 113	0 1633	9 80000	0 113	22 85	3 45E-01	0 45
9 000	-0 113	0 1667	10 00000	0 113	22 85	3 45E-01	0 45
9 200	-0 113	0 1700	10 20000	0 113	22 85	3 45E-01	0 45
9 400	-0 113	0 1733	10 40000	0 113	22 85	3 45E-01	0 45
9 600	-0 116	0 1767	10 60000	0 116	22 85	3 54E-01	0 46
9 800	-0 116	0 1800	10 80000	0 116	22 85	3 54E-01	0 46

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-0 116	0 1833	11 00000	0 116	22 85	3 54E-01	0 46
12 000	-0 113	0 2167	13 00000	0 113	22 85	3 45E-01	0 45
14 000	-0 116	0 2500	15 00000	0 116	22 85	3 54E-01	0 46
16 000	-0 116	0 2833	17 00000	0 116	22 85	3 54E-01	0 46
18 000	-0 120	0 3167	19 00000	0 120	22 85	3 66E-01	0 47
20 000	-0 120	0 3500	21 00000	0 120	22 85	3 66E-01	0 47
22 000	-0 123	0 3833	23 00000	0 123	22 84	3 75E-01	0 48
24 000	-0 123	0 4167	25 00000	0 123	22 84	3 75E-01	0 48
26 000	-0 126	0 4500	27 00000	0 126	22 84	3 84E-01	0 49
28 000	-0 126	0 4833	29 00000	0 126	22 84	3 84E-01	0 49
30 000	-0 129	0 5167	31 00000	0 129	22 84	3 94E-01	0 50
32 000	-0 132	0 5500	33 00000	0 132	22 83	4 03E-01	0 51
34 000	-0 132	0 5833	35 00000	0 132	22 83	4 03E-01	0 51
36 000	-0 132	0 6167	37 00000	0 132	22 83	4 03E-01	0 51
38 000	-0 135	0 6500	39 00000	0 135	22 83	4 12E-01	0 52
40 000	-0 135	0 6833	41 00000	0 135	22 83	4 12E-01	0 52
42 000	-0 135	0 7167	43 00000	0 135	22 83	4 12E-01	0 52
44 000	-0 139	0 7500	45 00000	0 139	22 83	4 24E-01	0 53
46 000	-0 142	0 7833	47 00000	0 142	22 82	4 33E-01	0 54
48 000	-0 142	0 8167	49 00000	0 142	22 82	4 33E-01	0 54
50 000	-0 142	0 8500	51 00000	0 142	22 82	4 33E-01	0 54
52 000	-0 142	0 8833	53 00000	0 142	22 82	4 33E-01	0 54
54 000	-0 145	0 9167	55 00000	0 145	22 82	4 42E-01	0 55
56 000	-0 145	0 9500	57 00000	0 145	22 82	4 42E-01	0 55
58 000	-0 148	0 9833	59 00000	0 148	22 82	4 51E-01	0 56
60 000	-0 148	1 0167	61 00000	0 148	22 82	4 51E-01	0 56
62 000	-0 148	1 0500	63 00000	0 148	22 82	4 51E-01	0 56
64 000	-0 148	1 0833	65 00000	0 148	22 82	4 51E-01	0 56
66 000	-0 151	1 1167	67 00000	0 151	22 81	4 61E-01	0 57
68 000	-0 151	1 1500	69 00000	0 151	22 81	4 61E-01	0 57
70 000	-0 151	1 1833	71 00000	0 151	22 81	4 61E-01	0 57
72 000	-0 154	1 2167	73 00000	0 154	22 81	4 70E-01	0 57
74 000	-0 154	1 2500	75 00000	0 154	22 81	4 70E-01	0 57
76 000	-0 154	1 2833	77 00000	0 154	22 81	4 70E-01	0 57
78 000	-0 154	1 3167	79 00000	0 154	22 81	4 70E-01	0 57
80 000	-0 157	1 3500	81 00000	0 157	22 81	4 79E-01	0 58
82 000	-0 157	1 3833	83 00000	0 157	22 81	4 79E-01	0 58
84 000	-0 157	1 4167	85 00000	0 157	22 81	4 79E-01	0 58
86 000	-0 157	1 4500	87 00000	0 157	22 81	4 79E-01	0 58
88 000	-0 161	1 4833	89 00000	0 161	22 80	4 91E-01	0 60
90 000	-0 161	1 5167	91 00000	0 161	22 80	4 91E-01	0 60
92 000	-0 161	1 5500	93 00000	0 161	22 80	4 91E-01	0 60
94 000	-0 161	1 5833	95 00000	0 161	22 80	4 91E-01	0 60
96 000	-0 161	1 6167	97 00000	0 161	22 80	4 91E-01	0 60
98 000	-0 164	1 6500	99 00000	0 164	22 80	5 00E-01	0 61
100 000	-0 164	1 6833	101 00000	0 164	22 80	5 00E-01	0 61
120 000	-0 170	2.0167	121 00000	0 170	22 80	5 19E-01	0 62
140 000	-0 173	2.3500	141 00000	0 173	22 79	5 28E-01	0 63
160 000	-0 180	2.6833	161 00000	0 180	22 79	5 49E-01	0 65
180 000	-0 183	3 0167	181 00000	0 183	22 78	5 58E-01	0 66
200 000	-0 186	3 3500	201 00000	0 186	22 78	5 67E-01	0 67
220 000	-0 189	3 6833	221 00000	0 189	22 78	5 77E-01	0 68
240 000	-0 192	4 0167	241 00000	0 192	22 77	5 86E-01	0 69
260 000	-0 195	4 3500	261 00000	0 195	22 77	5 95E-01	0 70
280 000	-0 199	4 6833	281 00000	0 199	22 77	6 07E-01	0 71
300 000	-0 202	5 0167	301 00000	0 202	22 76	6 16E-01	0 72
320 000	-0 205	5 3500	321 00000	0 205	22 76	6 25E-01	0 73
340 000	-0 208	5 6833	341 00000	0 208	22 76	6 35E-01	0 74
360 000	-0 208	6 0167	361 00000	0 208	22 76	6 35E-01	0 74
380 000	-0 211	6 3500	381 00000	0 211	22 75	6 44E-01	0 75
400 000	-0 211	6 6833	401 00000	0 211	22 75	6 44E-01	0 75
420 000	-0 218	7 0167	421 00000	0 218	22 75	6 65E-01	0 77
440 000	-0 218	7 3500	441 00000	0 218	22.75	6 65E-01	0 77
460 000	-0 218	7 6833	461 00000	0 218	22.75	6 65E-01	0 77
480 000	-0 221	8 0167	481 00000	0 221	22.74	6 74E-01	0 78
500 000	-0 224	8 3500	501 00000	0 224	22.74	6 83E-01	0 79
520 000	-0 224	8 6833	521 00000	0 224	22.74	6 83E-01	0 79
540 000	-0 227	9 0167	541 00000	0 227	22.74	6 92E-01	0 80
560 000	-0 227	9 3500	561 00000	0 227	22.74	6 92E-01	0 80
580 000	-0 230	9 6833	581 00000	0 230	22.74	7 02E-01	0 81
600 000	-0 230	10 0167	601 00000	0 230	22.74	7 02E-01	0 81
620 000	-0 233	10 3500	621 00000	0 233	22.73	7 11E-01	0 82
640 000	-0 236	10 6833	641 00000	0 236	22.73	7 20E-01	0 82

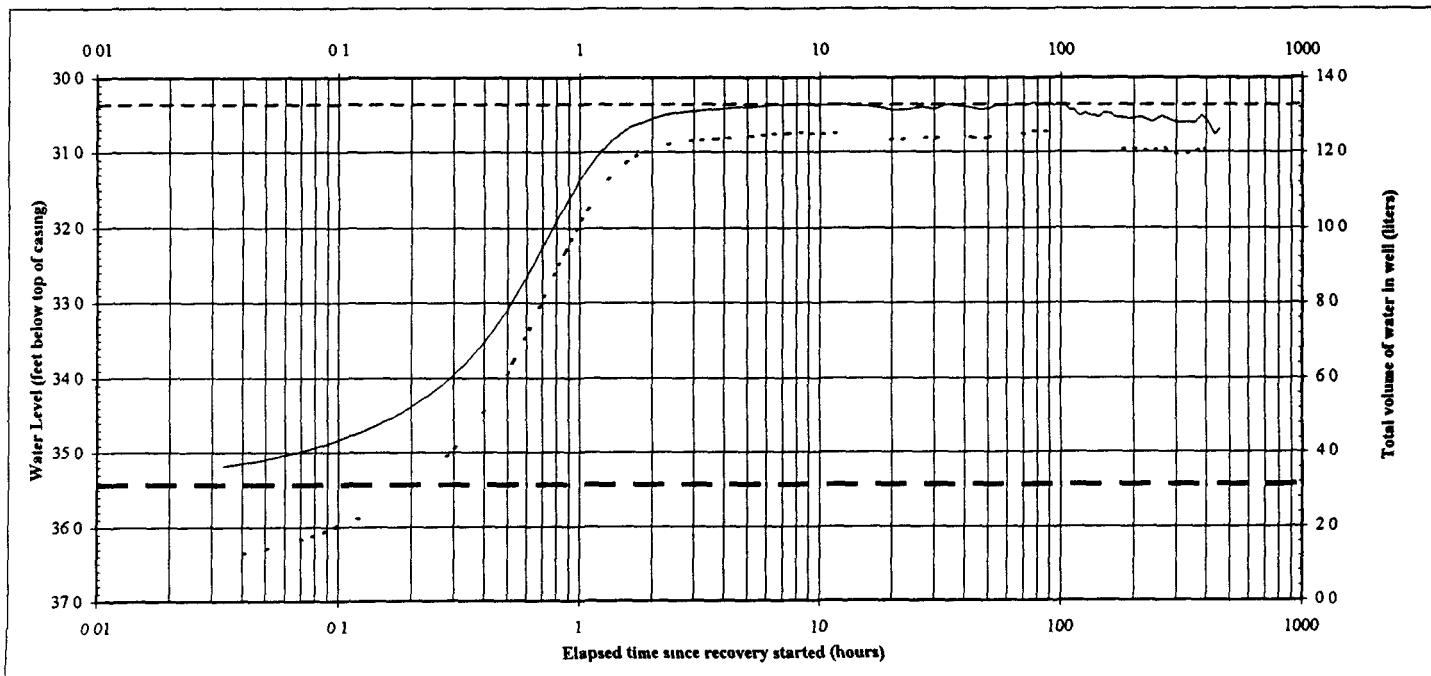
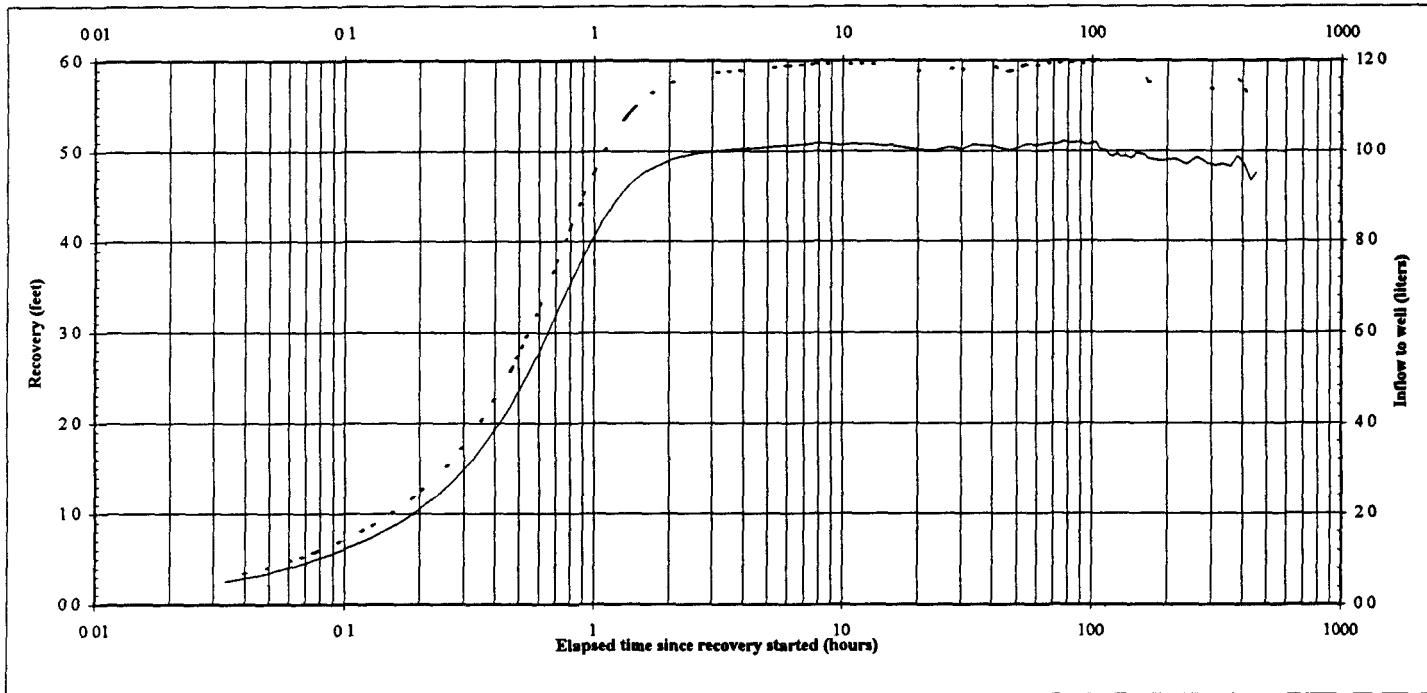
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-0 236	11 0167	661 00000	0 236	22.73	7 20E-01	0 82
680 000	-0 240	11 3500	681 00000	0 240	22.73	7 32E-01	0 84
700 000	-0 240	11 6833	701 00000	0 240	22.73	7 32E-01	0 84
720 000	-0 240	12.0167	721 00000	0 240	22.73	7 32E-01	0 84
740 000	-0 243	12.3500	741 00000	0 243	22.72	7 41E-01	0 85
760 000	-0 243	12.6833	761 00000	0 243	22.72	7 41E-01	0 85
780 000	-0 246	13 0167	781 00000	0 246	22.72	7 50E-01	0 86
800 000	-0.246	13 3500	801 00000	0 246	22.72	7 50E-01	0 86
820 000	-0 246	13 6833	821 00000	0 246	22.72	7 50E-01	0 86
840 000	-0 249	14 0167	841 00000	0 249	22.72	7 60E-01	0 86
860 000	-0 249	14 3500	861 00000	0 249	22.72	7 60E-01	0 86
880 000	-0 249	14 6833	881 00000	0 249	22.72	7 60E-01	0 86
900 000	-0 252	15 0167	901 00000	0 252	22.71	7 69E-01	0 87
920 000	-0 252	15 3500	921 00000	0 252	22.71	7 69E-01	0 87
940 000	-0 252	15 6833	941 00000	0 252	22.71	7 69E-01	0 87
960 000	-0 255	16 0167	961 00000	0 255	22.71	7 78E-01	0 88
980 000	-0 255	16 3500	981 00000	0 255	22.71	7 78E-01	0 88
1000 000	-0 255	16 6833	1001 00000	0 255	22.71	7 78E-01	0 88
1200 000	-0 259	20 0167	1201 00000	0 259	22.71	7 90E-01	0 90
1400 000	-0 265	23 3500	1401 00000	0 265	22.70	8 08E-01	0 91
1600 000	-0 271	26 6833	1601 00000	0 271	22.69	8 27E-01	0 93
1800 000	-0 281	30 0167	1801 00000	0 281	22.68	8 57E-01	0 96
2000 000	-0 287	33 3500	2001 00000	0 287	22.68	8 76E-01	0 98
2200 000	-0 296	36 6833	2201 00000	0 296	22.67	9 03E-01	1 01
2400 000	-0 303	40 0167	2401 00000	0 303	22.66	9 24E-01	1 03
2600 000	-0 306	43 3500	2601 00000	0 306	22.66	9 33E-01	1 04
2800 000	-0 303	46 6833	2801 00000	0 303	22.66	9 24E-01	1 03
3000 000	-0 306	50 0167	3001 00000	0 306	22.66	9 33E-01	1 04
3200 000	-0 315	53 3500	3201 00000	0 315	22.65	9 61E-01	1 07
3400 000	-0 325	56 6833	3401 00000	0 325	22.64	9 91E-01	1 10
3600 000	-0 331	60 0167	3601 00000	0 331	22.63	1 01E+00	1 11
3800 000	-0 338	63 3500	3801 00000	0 338	22.63	1 03E+00	1 14
4000 000	-0 344	66 6833	4001 00000	0 344	22.62	1 05E+00	1 15
4200 000	-0 338	70 0167	4201 00000	0 338	22.63	1 03E+00	1 14
4400 000	-0 341	73 3500	4401 00000	0 341	22.62	1 04E+00	1 15
4600 000	-0 344	76 6833	4601 00000	0 344	22.62	1 05E+00	1 15
4800 000	-0 353	80 0167	4801 00000	0 353	22.61	1 08E+00	1 18
5000 000	-0 363	83 3500	5001 00000	0 363	22.60	1 11E+00	1 21
5200 000	-0 366	86 6833	5201 00000	0 366	22.60	1 12E+00	1 22
5400 000	-0 372	90 0167	5401 00000	0 372	22.59	1 13E+00	1 24
5600 000	-0 375	93 3500	5601 00000	0 375	22.59	1 14E+00	1 25
5800 000	-0 372	96 6833	5801 00000	0 372	22.59	1 13E+00	1 24
6000 000	-0 375	100 0167	6001 00000	0 375	22.59	1 14E+00	1 25
6200 000	-0 385	103 3500	6201 00000	0 385	22.58	1 17E+00	1 28
6400 000	-0 391	106 6833	6401 00000	0 391	22.57	1 19E+00	1 30
6600 000	-0 398	110 0167	6601 00000	0 398	22.57	1 21E+00	1 32
6800 000	-0 398	113 3500	6801 00000	0 398	22.57	1 21E+00	1 32
7000 000	-0 398	116 6833	7001 00000	0 398	22.57	1 21E+00	1 32
7200 000	-0 394	120 0167	7201 00000	0 394	22.57	1 20E+00	1 31
7400 000	-0 398	123 3500	7401 00000	0 398	22.57	1 21E+00	1 32
7600 000	-0 407	126 6833	7601 00000	0 407	22.56	1 24E+00	1 35
7800 000	-0 413	130 0167	7801 00000	0 413	22.55	1 26E+00	1 36
8000 000	-0 417	133 3500	8001 00000	0 417	22.55	1 27E+00	1 38
8200 000	-0 423	136 6833	8201 00000	0 423	22.54	1 29E+00	1 40
8400 000	-0 426	140 0167	8401 00000	0 426	22.54	1 30E+00	1 40
8600 000	-0 420	143 3500	8601 00000	0 420	22.55	1 28E+00	1 39
8800 000	-0 432	146 6833	8801 00000	0 432	22.53	1 32E+00	1 42
9000 000	-0 439	150 0167	9001 00000	0 439	22.53	1 34E+00	1 44
9200 000	-0 448	153 3500	9201 00000	0 448	22.52	1 37E+00	1 47
9400 000	-0 451	156 6833	9401 00000	0 451	22.51	1 38E+00	1 48
9600 000	-0 454	160 0167	9601 00000	0 454	22.51	1 38E+00	1 49
9800 000	-0 458	163 3500	9801 00000	0 458	22.51	1 40E+00	1 50
10000 000	-0 451	166 6833	10001 00000	0 451	22.51	1 38E+00	1 48
11440 000	-0 473	190 6833	11441 00000	0 473	22.49	1 44E+00	1 55
12880 000	-0 492	214 6833	12881 00000	0 492	22.47	1 50E+00	1 61
14320 000	-0 515	238 6833	14321 00000	0 515	22.45	1 57E+00	1 68

Well No. 43392
Measured recovery after sampling

Date: 18-Aug-94

3rd quarter 1994

- - - - Pre-sampling
 - - - - Static Water Level
 - - - - Bottom of well
 - - - - Water Level
 - - - - Volume



Well No

43392

Date Sampled

3rd quarter

18-Aug-94

	11:32		Delay	2 00	Minutes
Final bail time	11:32				
Set transducer time	11:34				
Static water level (pre-sampling)	39.4	feet below top of casing			
Final water level (post-recovery)	39.7	feet below top of casing			
Last recorded water level	4.8	feet below transducer			
Transducer reference depth	35.4	feet below top of casing			
Bottom of well	35.4	feet below top of casing			
First recorded water level	4.8	feet below transducer			
First recorded water level	35.2	feet below top of casing			
Water column remaining in casing after purging	0.2	feet			
Volume remaining in casing after purging	0.6	liters			
Well diameter	6.0	inches	0.500	feet	
Well radius	3.0	inches	0.250	feet	
Casing diameter	2.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	1.9	inches	0.162	feet	
Top of sandpack	31.2	feet below top of casing			
				0.62	liters/foot
				2.35	liters/foot

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)		final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 000	-0.261	0 0333	2.00000	0 261	35 18			
0 003	-0.258	0 0334	2.00330	0 258	35 19		6 06E-01	1 19
0 007	-0.261	0 0334	2.00660	0 261	35 18		6 13E-01	1 20
0 010	-0.261	0 0335	2.01000	0 261	35 18		6 13E-01	1 20
0 013	-0.261	0 0336	2.01330	0 261	35 18		6 13E-01	1 20
0 017	-0.261	0 0336	2.01660	0 261	35 18		6 13E-01	1 20
0 020	-0.261	0 0337	2.02000	0 261	35 18		6 13E-01	1 20
0 023	-0.261	0 0337	2.02330	0 261	35 18		6 13E-01	1 20
0 027	-0.261	0 0338	2.02660	0 261	35 18		6 13E-01	1 20
0 030	-0.264	0 0338	2.03000	0 264	35 18		6 20E-01	1 20
0 033	-0.264	0 0339	2.03330	0 264	35 18		6 20E-01	1 20
0 037	-0.264	0 0339	2.03660	0 264	35 18		6 20E-01	1 20
0 040	-0.264	0 0340	2.04000	0 264	35 18		6 20E-01	1 20
0 043	-0.264	0 0341	2.04330	0 264	35 18		6 20E-01	1 20
0 047	-0.264	0 0341	2.04660	0 264	35 18		6 20E-01	1 20
0 050	-0.264	0 0342	2.05000	0 264	35 18		6 20E-01	1 20
0 053	-0.264	0 0342	2.05330	0 264	35 18		6 20E-01	1 20
0 057	-0.264	0 0343	2.05660	0 264	35 18		6 20E-01	1 20
0 060	-0.267	0 0343	2.06000	0 267	35 18		6 27E-01	1 21
0 063	-0.267	0 0344	2.06330	0 267	35 18		6 27E-01	1 21
0 067	-0.267	0 0344	2.06660	0 267	35 18		6 27E-01	1 21
0 070	-0.267	0 0345	2.07000	0 267	35 18		6 27E-01	1 21
0 073	-0.264	0 0346	2.07330	0 264	35 18		6 20E-01	1 20
0 077	-0.267	0 0346	2.07660	0 267	35 18		6 27E-01	1 21
0 080	-0.267	0 0347	2.08000	0 267	35 18		6 27E-01	1 21
0 083	-0.267	0 0347	2.08330	0 267	35 18		6 27E-01	1 21
0 087	-0.267	0 0348	2.08660	0 267	35 18		6 27E-01	1 21
0 090	-0.267	0 0348	2.09000	0 267	35 18		6 27E-01	1 21
0 093	-0.267	0 0349	2.09330	0 267	35 18		6 27E-01	1 21
0 097	-0.267	0 0349	2.09660	0 267	35 18		6 27E-01	1 21
0 100	-0.267	0 0350	2.10000	0 267	35 18		6 27E-01	1 21
0 103	-0.267	0 0351	2.10330	0 267	35 18		6 27E-01	1 21
0 107	-0.271	0 0351	2.10660	0 271	35 17		6 36E-01	1 22
0 110	-0.271	0 0352	2.11000	0 271	35 17		6 36E-01	1 22
0 113	-0.271	0 0352	2.11330	0 271	35 17		6 36E-01	1 22
0 117	-0.271	0 0353	2.11660	0 271	35 17		6 36E-01	1 22
0 120	-0.271	0 0353	2.12000	0 271	35 17		6 36E-01	1 22
0 123	-0.271	0 0354	2.12330	0 271	35 17		6 36E-01	1 22

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fb(c))		
0 127	-0 271	0 0354	2 12660	0 271	35 17		6 36E-01	1 22
0 130	-0 271	0 0355	2 13000	0 271	35 17		6 36E-01	1 22
0 133	-0 271	0 0356	2 13330	0 271	35 17		6 36E-01	1 22
0 137	-0 274	0 0356	2 13660	0 274	35 17		6 43E-01	1 23
0 140	-0 274	0 0357	2 14000	0 274	35 17		6 43E-01	1 23
0 143	-0 274	0 0357	2 14330	0 274	35 17		6 43E-01	1 23
0 147	-0 274	0 0358	2 14660	0 274	35 17		6 43E-01	1 23
0 150	-0 274	0 0358	2 15000	0 274	35 17		6 43E-01	1 23
0 153	-0 274	0 0359	2 15330	0 274	35 17		6 43E-01	1 23
0 157	-0 274	0 0359	2 15660	0 274	35 17		6 43E-01	1 23
0 160	-0 274	0 0360	2 16000	0 274	35 17		6 43E-01	1 23
0 163	-0 274	0 0361	2 16330	0 274	35 17		6 43E-01	1 23
0 167	-0 277	0 0361	2 16660	0 277	35 17		6 50E-01	1 23
0 170	-0 277	0 0362	2 17000	0 277	35 17		6 50E-01	1 23
0 173	-0 277	0 0362	2 17330	0 277	35 17		6 50E-01	1 23
0 177	-0 277	0 0363	2 17660	0 277	35 17		6 50E-01	1 23
0 180	-0 277	0 0363	2 18000	0 277	35 17		6 50E-01	1 23
0 183	-0 277	0 0364	2 18330	0 277	35 17		6 50E-01	1 23
0 187	-0 277	0 0364	2 18660	0 277	35 17		6 50E-01	1 23
0 190	-0 277	0 0365	2 19000	0 277	35 17		6 50E-01	1 23
0 193	-0 277	0 0366	2 19330	0 277	35 17		6 50E-01	1 23
0 197	-0 280	0 0366	2 19660	0 280	35 16		6 57E-01	1 24
0 200	-0 280	0 0367	2 20000	0 280	35 16		6 57E-01	1 24
0 203	-0 280	0 0367	2 20330	0 280	35 16		6 57E-01	1 24
0 207	-0 277	0 0368	2 20660	0 277	35 17		6 50E-01	1 23
0 210	-0 280	0 0368	2 21000	0 280	35 16		6 57E-01	1 24
0 213	-0 280	0 0369	2 21330	0 280	35 16		6 57E-01	1 24
0 217	-0 280	0 0369	2 21660	0 280	35 16		6 57E-01	1 24
0 220	-0 280	0 0370	2 22000	0 280	35 16		6 57E-01	1 24
0 223	-0 280	0 0371	2 22330	0 280	35 16		6 57E-01	1 24
0 227	-0 280	0 0371	2 22660	0 280	35 16		6 57E-01	1 24
0 230	-0 280	0 0372	2 23000	0 280	35 16		6 57E-01	1 24
0 233	-0 280	0 0372	2 23330	0 280	35 16		6 57E-01	1 24
0 237	-0 280	0 0373	2 23660	0 280	35 16		6 57E-01	1 24
0 240	-0 280	0 0373	2 24000	0 280	35 16		6 57E-01	1 24
0 243	-0 280	0 0374	2 24330	0 280	35 16		6 57E-01	1 24
0 247	-0 283	0 0374	2 24660	0 283	35 16		6 64E-01	1 25
0 250	-0 283	0 0375	2 25000	0 283	35 16		6 64E-01	1 25
0 253	-0 283	0 0376	2 25330	0 283	35 16		6 64E-01	1 25
0 257	-0 283	0 0376	2 25660	0 283	35 16		6 64E-01	1 25
0 260	-0 283	0 0377	2 26000	0 283	35 16		6 64E-01	1 25
0 263	-0 283	0 0377	2 26330	0 283	35 16		6 64E-01	1 25
0 267	-0 283	0 0378	2 26660	0 283	35 16		6 64E-01	1 25
0 270	-0 283	0 0378	2 27000	0 283	35 16		6 64E-01	1 25
0 273	-0 283	0 0379	2 27330	0 283	35 16		6 64E-01	1 25
0 277	-0 286	0 0379	2 27660	0 286	35 16		6 71E-01	1 25
0 280	-0 283	0 0380	2 28000	0 283	35 16		6 64E-01	1 25
0 283	-0 286	0 0381	2 28330	0 286	35 16		6 71E-01	1 25
0 287	-0 286	0 0381	2 28660	0 286	35 16		6 71E-01	1 25
0 290	-0 286	0 0382	2 29000	0 286	35 16		6 71E-01	1 25
0 293	-0 286	0 0382	2 29330	0 286	35 16		6 71E-01	1 25
0 297	-0 286	0 0383	2 29660	0 286	35 16		6 71E-01	1 25
0 300	-0 286	0 0383	2 30000	0 286	35 16		6 71E-01	1 25
0 303	-0 286	0 0384	2 30330	0 286	35 16		6 71E-01	1 25
0 307	-0 286	0 0384	2 30660	0 286	35 16		6 71E-01	1 25
0 310	-0 286	0 0385	2 31000	0 286	35 16		6 71E-01	1 25
0 313	-0 286	0 0386	2 31330	0 286	35 16		6 71E-01	1 25
0 317	-0 290	0 0386	2 31660	0 290	35 15		6 81E-01	1 26
0 320	-0 290	0 0387	2 32000	0 290	35 15		6 81E-01	1 26
0 323	-0 290	0 0387	2 32330	0 290	35 15		6 81E-01	1 26
0 327	0 290	0 0388	2 32660	0 290	35 15		6 81E-01	1 26
0 330	-0 290	0 0388	2 33000	0 290	35 15		6 81E-01	1 26
0 333	-0 290	0 0389	2 33330	0 290	35 15		6 81E-01	1 26
0 350	-0 293	0 0392	2 35000	0 293	35 15		6 88E-01	1 27
0 367	-0 293	0 0394	2 36660	0 293	35 15		6 88E-01	1 27
0 383	-0 296	0 0397	2 38330	0 296	35 15		6 95E-01	1 28
0 400	-0 296	0 0400	2 40000	0 296	35 15		6 95E-01	1 28
0 417	-0 299	0 0403	2 41660	0 299	35 14		7 02E-01	1 28
0 433	-0 299	0 0406	2 43330	0 299	35 14		7 02E-01	1 28
0 450	-0 302	0 0408	2 45000	0 302	35 14		7 09E-01	1 29
0 467	-0 302	0 0411	2 46660	0 302	35 14		7 09E-01	1 29
0 483	-0 302	0 0414	2 48330	0 302	35 14		7 09E-01	1 29

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	(liters)
	0 500	-0 305	0 0417	2 50000	0 305	35 14	7 16E-01	1 30
	0 517	-0 305	0 0419	2 51660	0 305	35 14	7 16E-01	1 30
	0 533	-0 308	0 0422	2 53330	0 308	35 14	7 23E-01	1 31
	0 550	-0 308	0 0425	2 55000	0 308	35 14	7 23E-01	1 31
	0 567	-0 312	0 0428	2 56660	0 312	35 13	7 33E-01	1 31
	0 583	-0 312	0 0431	2 58330	0 312	35 13	7 33E-01	1 31
	0 600	-0 315	0 0433	2 60000	0 315	35 13	7 40E-01	1 32
	0 617	-0 315	0 0436	2 61660	0 315	35 13	7 40E-01	1 32
	0 633	-0 318	0 0439	2 63330	0 318	35 13	7 47E-01	1 33
	0 650	-0 318	0 0442	2 65000	0 318	35 13	7 47E-01	1 33
	0 667	-0 318	0 0444	2 66660	0 318	35 13	7 47E-01	1 33
	0 683	-0 321	0 0447	2 68330	0 321	35 12	7 54E-01	1 34
	0 700	-0 324	0 0450	2 70000	0 324	35 12	7 61E-01	1 34
	0 717	-0 324	0 0453	2 71660	0 324	35 12	7 61E-01	1 34
	0 733	-0 327	0 0456	2 73330	0 327	35 12	7 68E-01	1 35
	0 750	-0 327	0 0458	2 75000	0 327	35 12	7 68E-01	1 35
	0 767	-0 327	0 0461	2 76660	0 327	35 12	7 68E-01	1 35
	0 783	-0 331	0 0464	2 78330	0 331	35 11	7 77E-01	1 36
	0 800	-0 334	0 0467	2 80000	0 334	35 11	7 84E-01	1 37
	0 817	-0 334	0 0469	2 81660	0 334	35 11	7 84E-01	1 37
	0 833	-0 337	0 0472	2 83330	0 337	35 11	7 91E-01	1 37
	0 850	-0 337	0 0475	2 85000	0 337	35 11	7 91E-01	1 37
	0 867	-0 340	0 0478	2 86660	0 340	35 10	7 98E-01	1 38
	0 883	-0 340	0 0481	2 88330	0 340	35 10	7 98E-01	1 38
	0 900	-0 343	0 0483	2 90000	0 343	35 10	8 05E-01	1 39
	0 917	-0 343	0 0486	2 91660	0 343	35 10	8 05E-01	1 39
	0 933	-0 346	0 0489	2 93330	0 346	35 10	8 12E-01	1 39
	0 950	-0 346	0 0492	2 95000	0 346	35 10	8 12E-01	1 39
	0 967	-0 349	0 0494	2 96660	0 349	35 09	8 19E-01	1 40
	0 983	-0 349	0 0497	2 98330	0 349	35 09	8 19E-01	1 40
	1 000	-0 353	0 0500	3 00000	0 353	35 09	8 29E-01	1 41
	1 200	-0 375	0 0533	3 20000	0 375	35 07	8 80E-01	1 46
	1 400	-0 390	0 0567	3 40000	0 390	35 05	9 16E-01	1 50
	1 600	-0 409	0 0600	3 60000	0 409	35 03	9 60E-01	1 54
	1 800	-0 428	0 0633	3 80000	0 428	35 02	1 00E+00	1 59
	2 000	-0 444	0 0667	4 00000	0 444	35 00	1 04E+00	1 62
	2 200	-0 463	0 0700	4 20000	0 463	34 98	1 09E+00	1 67
	2 400	-0 479	0 0733	4 40000	0 479	34 96	1 12E+00	1 71
	2 600	-0 498	0 0767	4 60000	0 498	34 95	1 17E+00	1 75
	2 800	-0 513	0 0800	4 80000	0 513	34 93	1 20E+00	1 79
	3 000	-0 532	0 0833	5 00000	0 532	34 91	1 25E+00	1 83
	3 200	-0 548	0 0867	5 20000	0 548	34 90	1 29E+00	1 87
	3 400	-0 564	0 0900	5 40000	0 564	34 88	1 32E+00	1 91
	3 600	-0 583	0 0933	5 60000	0 583	34 86	1 37E+00	1 95
	3 800	-0 598	0 0967	5 80000	0 598	34 85	1 40E+00	1 99
	4 000	-0 614	0 1000	6 00000	0 614	34 83	1 44E+00	2 02
	4 200	-0 630	0 1033	6 20000	0 630	34 81	1 48E+00	2 06
	4 400	-0 646	0 1067	6 40000	0 646	34 80	1 52E+00	2 10
	4 600	-0 662	0 1100	6 60000	0 662	34 78	1 55E+00	2 14
	4 800	-0 674	0 1133	6 80000	0 674	34 77	1 58E+00	2 16
	5 000	-0 690	0 1167	7 00000	0 690	34 75	1 62E+00	2 20
	5 200	-0 706	0 1200	7 20000	0 706	34 74	1 66E+00	2 24
	5 400	-0 718	0 1233	7 40000	0 718	34 73	1 69E+00	2 27
	5 600	-0 734	0 1267	7 60000	0 734	34 71	1 72E+00	2 31
	5 800	-0 750	0 1300	7 80000	0 750	34 69	1 76E+00	2 34
	6 000	-0 766	0 1333	8 00000	0 766	34 68	1 80E+00	2 38
	6 200	-0 778	0 1367	8 20000	0 778	34 67	1 83E+00	2 41
	6 400	-0 794	0 1400	8 40000	0 794	34 65	1 86E+00	2 45
	6 600	-0 810	0 1433	8 60000	0 810	34 63	1 90E+00	2 48
	6 800	-0 825	0 1467	8 80000	0 825	34 62	1 94E+00	2 52
	7 000	-0 838	0 1500	9 00000	0 838	34 61	1 97E+00	2 55
	7 200	-0 854	0 1533	9 20000	0 854	34 59	2 01E+00	2 59
	7 400	-0 870	0 1567	9 40000	0 870	34 57	2 04E+00	2 62
	7 600	-0 882	0 1600	9 60000	0 882	34 56	2 07E+00	2 65
	7 800	-0 898	0 1633	9 80000	0 898	34 55	2 11E+00	2 69
	8 000	-0 911	0 1667	10 00000	0 911	34 53	2 14E+00	2 72
	8 200	-0 926	0 1700	10 20000	0 926	34 52	2 17E+00	2 76
	8 400	-0 939	0 1733	10 40000	0 939	34 50	2 20E+00	2 79
	8 600	-0 955	0 1767	10 60000	0 955	34 49	2 24E+00	2 82
	8 800	-0 970	0 1800	10 80000	0 970	34 47	2 28E+00	2 86
	9 000	-0 983	0 1833	11 00000	0 983	34 46	2 31E+00	2 89
	9 200	-1 002	0 1867	11 20000	1 002	34 44	2 35E+00	2 93

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
9 400	-1 015	0 1900	11 40000	1 015	34 43	2 38E+00	2 97	
9 600	-1 027	0 1933	11 60000	1 027	34 42	2 41E+00	2 99	
9 800	-1 043	0 1967	11 80000	1 043	34 40	2 45E+00	3 03	
10 000	-1 059	0 2000	12 00000	1 059	34 38	2 49E+00	3 07	
12 000	-1 201	0 2333	14 00000	1 201	34 24	2 82E+00	3 40	
14 000	-1 346	0 2667	16 00000	1 346	34 10	3 16E+00	3 74	
16 000	-1 491	0 3000	18 00000	1 491	33 95	3 50E+00	4 08	
18 000	-1 636	0 3333	20 00000	1 636	33 81	3 84E+00	4 42	
20 000	-1 781	0 3667	22 00000	1 781	33 66	4 18E+00	4 76	
22 000	-1 923	0 4000	24 00000	1 923	33 52	4 51E+00	5 10	
24 000	-2 068	0 4333	26 00000	2 068	33 38	4 86E+00	5 44	
26 000	-2 209	0 4667	28 00000	2 209	33 23	5 19E+00	5 77	
28 000	-2 354	0 5000	30 00000	2 354	33 09	5 53E+00	6 11	
30 000	-2 499	0 5333	32 00000	2 499	32 94	5 87E+00	6 45	
32 000	-2 644	0 5667	34 00000	2 644	32 80	6 21E+00	6 79	
34 000	-2 789	0 6000	36 00000	2 789	32 65	6 55E+00	7 13	
36 000	-2 925	0 6333	38 00000	2 925	32 52	6 87E+00	7 45	
38 000	-3 061	0 6667	40 00000	3 061	32 38	7 19E+00	7 77	
40 000	-3 190	0 7000	42 00000	3 190	32 25	7 49E+00	8 07	
42 000	-3 313	0 7333	44 00000	3 313	32 13	7 78E+00	8 36	
44 000	-3 429	0 7667	46 00000	3 429	32 01	8 05E+00	8 63	
46 000	-3 540	0 8000	48 00000	3 540	31 90	8 31E+00	8 89	
48 000	-3 644	0 8333	50 00000	3 644	31 80	8 56E+00	9 14	
50 000	-3 738	0 8667	52 00000	3 738	31 71	8 78E+00	9 36	
52 000	-3 830	0 9000	54 00000	3 830	31 61	8 99E+00	9 57	
54 000	-3 912	0 9333	56 00000	3 912	31 53	9 18E+00	9 77	
56 000	-3 994	0 9667	58 00000	3 994	31 45	9 38E+00	9 96	
58 000	-4 066	1 0000	60 00000	4 066	31 38	9 55E+00	10 13	
60 000	-4 136	1 0333	62 00000	4 136	31 31	9 71E+00	10 29	
62 000	-4 199	1 0667	64 00000	4 199	31 24	9 86E+00	10 44	
64 000	-4 259	1 1000	66 00000	4 259	31 18	1 00E+01	10 58	
66 000	-4 315	1 1333	68 00000	4 315	31 13	1 01E+01	10 71	
68 000	-4 366	1 1667	70 00000	4 366	31 08	1 03E+01	10 83	
70 000	-4 416	1 2000	72 00000	4 416	31 03	1 04E+01	10 95	
72 000	-4 460	1 2333	74 00000	4 460	30 98	1 05E+01	11 05	
74 000	-4 498	1 2667	76 00000	4 498	30 95	1 06E+01	11 14	
76 000	-4 536	1 3000	78 00000	4 536	30 91	1 06E+01	11 23	
78 000	-4 571	1 3333	80 00000	4 571	30 87	1 07E+01	11 31	
80 000	-4 605	1 3667	82 00000	4 605	30 84	1 08E+01	11 39	
82 000	-4 634	1 4000	84 00000	4 634	30 81	1 09E+01	11 46	
84 000	-4 659	1 4333	86 00000	4 659	30 78	1 09E+01	11 52	
86 000	-4 687	1 4667	88 00000	4 687	30 76	1 10E+01	11 59	
88 000	-4 709	1 5000	90 00000	4 709	30 73	1 11E+01	11 64	
90 000	-4 731	1 5333	92 00000	4 731	30 71	1 12E+01	11 69	
92 000	-4 750	1 5667	94 00000	4 750	30 69	1 12E+01	11 73	
94 000	-4 769	1 6000	96 00000	4 769	30 67	1 12E+01	11 78	
96 000	-4 785	1 6333	98 00000	4 785	30 66	1 12E+01	11 82	
98 000	-4 798	1 6667	100 00000	4 798	30 65	1 13E+01	11 85	
100 000	-4 810	1 7000	102 00000	4 810	30 63	1 13E+01	11 88	
120 000	-4 908	2 0333	122 00000	4 908	30 54	1 15E+01	12 11	
140 000	-4 955	2 3667	142 00000	4 955	30 49	1 16E+01	12 22	
160 000	-4 984	2 7000	162 00000	4 984	30 46	1 17E+01	12 28	
180 000	-4 993	3 0333	182 00000	4 993	30 45	1 17E+01	12 30	
200 000	-5 009	3 3667	202 00000	5 009	30 43	1 18E+01	12 34	
220 000	-5 018	3 7000	222 00000	5 018	30 43	1 18E+01	12 36	
240 000	-5 025	4 0333	242 00000	5 025	30 42	1 18E+01	12 38	
260 000	-5 031	4 3667	262 00000	5 031	30 41	1 18E+01	12 39	
280 000	-5 040	4 7000	282 00000	5 040	30 40	1 18E+01	12 42	
300 000	-5 043	5 0333	302 00000	5 043	30 40	1 18E+01	12 42	
320 000	-5 050	5 3667	322 00000	5 050	30 39	1 19E+01	12 44	
340 000	-5 056	5 7000	342 00000	5 056	30 39	1 19E+01	12 45	
360 000	-5 062	6 0333	362 00000	5 062	30 38	1 19E+01	12 47	
380 000	-5 066	6 3667	382 00000	5 066	30 38	1 19E+01	12 48	
400 000	-5 072	6 7000	402 00000	5 072	30 37	1 19E+01	12 49	
420 000	-5 072	7 0333	422 00000	5 072	30 37	1 19E+01	12 49	
440 000	-5 078	7 3667	442 00000	5 078	30 37	1 19E+01	12 50	
460 000	-5 084	7 7000	462 00000	5 084	30 36	1 19E+01	12 52	
480 000	-5 084	8 0333	482 00000	5 084	30 36	1 19E+01	12 52	
500 000	-5 084	8 3667	502 00000	5 084	30 36	1 19E+01	12 52	
520 000	-5 084	8 7000	522 00000	5 084	30 36	1 19E+01	12 52	
540 000	-5 081	9 0333	542 00000	5 081	30 36	1 19E+01	12 51	
560 000	-5 075	9 3667	562 00000	5 075	30 37	1 19E+01	12 50	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftc)	Inflow (liters)	water in well (liters)
580 000	-5 069	9 7000	582 00000	5 069	30 37	1 19E+01	12 48	
600 000	-5 072	10 0333	602 00000	5 072	30 37	1 19E+01	12 49	
620 000	-5 075	10 3667	622 00000	5 075	30 37	1 19E+01	12 50	
640 000	-5 078	10 7000	642 00000	5 078	30 37	1 19E+01	12 50	
660 000	-5 078	11 0333	662 00000	5 078	30 37	1 19E+01	12 50	
680 000	-5 081	11 3667	682 00000	5 081	30 36	1 19E+01	12 51	
700 000	-5 081	11 7000	702 00000	5 081	30 36	1 19E+01	12 51	
720 000	-5 081	12 0333	722 00000	5 081	30 36	1 19E+01	12 51	
740 000	-5 081	12 3667	742 00000	5 081	30 36	1 19E+01	12 51	
760 000	-5 081	12 7000	762 00000	5 081	30 36	1 19E+01	12 51	
780 000	-5 078	13 0333	782 00000	5 078	30 37	1 19E+01	12 50	
800 000	-5 075	13 3667	802 00000	5 075	30 37	1 19E+01	12 50	
820 000	-5 069	13 7000	822 00000	5 069	30 37	1 19E+01	12 48	
840 000	-5 066	14 0333	842 00000	5 066	30 38	1 19E+01	12 48	
860 000	-5 062	14 3667	862 00000	5 062	30 38	1 19E+01	12 47	
880 000	-5 062	14 7000	882 00000	5 062	30 38	1 19E+01	12 47	
900 000	-5 062	15 0333	902 00000	5 062	30 38	1 19E+01	12 47	
920 000	-5 066	15 3667	922 00000	5 066	30 38	1 19E+01	12 48	
940 000	-5 066	15 7000	942 00000	5 066	30 38	1 19E+01	12 48	
960 000	-5 062	16 0333	962 00000	5 062	30 38	1 19E+01	12 47	
980 000	-5 056	16 3667	982 00000	5 056	30 39	1 19E+01	12 45	
1000 000	-5 050	16 7000	1002 00000	5 050	30 39	1 19E+01	12 44	
1200 000	-5 009	20 0333	1202 00000	5 009	30 43	1 18E+01	12 34	
1400 000	-5 006	23 3667	1402 00000	5 006	30 44	1 18E+01	12 34	
1600 000	-5 047	26 7000	1602 00000	5 047	30 40	1 18E+01	12 43	
1800 000	-5 018	30 0333	1802 00000	5 018	30 43	1 18E+01	12 36	
2000 000	-5 072	33 3667	2002 00000	5 072	30 37	1 19E+01	12 49	
2200 000	-5 062	36 7000	2202 00000	5 062	30 38	1 19E+01	12 47	
2400 000	-5 056	40 0333	2402 00000	5 056	30 39	1 19E+01	12 45	
2600 000	-5 031	43 3667	2602 00000	5 031	30 41	1 18E+01	12 39	
2800 000	-5 009	46 7000	2802 00000	5 009	30 43	1 18E+01	12 34	
3000 000	-5 028	50 0333	3002 00000	5 028	30 42	1 18E+01	12 39	
3200 000	-5 066	53 3667	3202 00000	5 066	30 38	1 19E+01	12 48	
3400 000	-5 072	56 7000	3402 00000	5 072	30 37	1 19E+01	12 49	
3600 000	-5 066	60 0333	3602 00000	5 066	30 38	1 19E+01	12 48	
3800 000	-5 075	63 3667	3802 00000	5 075	30 37	1 19E+01	12 50	
4000 000	-5 088	66 7000	4002 00000	5 088	30 36	1 19E+01	12 53	
4200 000	-5 072	70 0333	4202 00000	5 072	30 37	1 19E+01	12 49	
4400 000	-5 081	73 3667	4402 00000	5 081	30 36	1 19E+01	12 51	
4600 000	-5 107	76 7000	4602 00000	5 107	30 34	1 20E+01	12 57	
4800 000	-5 091	80 0333	4802 00000	5 091	30 35	1 20E+01	12 53	
5000 000	-5 094	83 3667	5002 00000	5 094	30 35	1 20E+01	12 54	
5200 000	-5 100	86 7000	5202 00000	5 100	30 34	1 20E+01	12 56	
5400 000	-5 100	90 0333	5402 00000	5 100	30 34	1 20E+01	12 56	
5600 000	-5 072	93 3667	5602 00000	5 072	30 37	1 19E+01	12 49	
5800 000	-5 072	96 7000	5802 00000	5 072	30 37	1 19E+01	12 49	
6000 000	-5 091	100 0333	6002 00000	5 091	30 35	1 20E+01	12 53	
6200 000	-5 097	103 3667	6202 00000	5 097	30 35	1 20E+01	12 55	
6400 000	-5 034	106 7000	6402 00000	5 034	30 41	1 18E+01	12 40	
6600 000	5 009	110 0333	6602 00000	5 009	30 43	1 18E+01	12 34	
6800 000	-5 012	113 3667	6802 00000	5 012	30 43	1 18E+01	12 35	
7000 000	-4 961	116 7000	7002 00000	4 961	30 48	1 16E+01	12 23	
7200 000	-4 933	120 0333	7202 00000	4 933	30 51	1 16E+01	12 16	
7400 000	-4 952	123 3667	7402 00000	4 952	30 49	1 16E+01	12 21	
7600 000	-4 971	126 7000	7602 00000	4 971	30 47	1 17E+01	12 25	
7800 000	-4 939	130 0333	7802 00000	4 939	30 50	1 16E+01	12 18	
8000 000	-4 933	133 3667	8002 00000	4 933	30 51	1 16E+01	12 16	
8200 000	-4 943	136 7000	8202 00000	4 943	30 50	1 16E+01	12 19	
8400 000	-4 924	140 0333	8402 00000	4 924	30 52	1 16E+01	12 14	
8600 000	-4 917	143 3667	8602 00000	4 917	30 53	1 15E+01	12 13	
8800 000	-4 930	146 7000	8802 00000	4 930	30 51	1 16E+01	12 16	
9000 000	-4 974	150 0333	9002 00000	4 974	30 47	1 17E+01	12 26	
9200 000	-4 968	153 3667	9202 00000	4 968	30 48	1 17E+01	12 25	
9400 000	-4 961	156 7000	9402 00000	4 961	30 48	1 16E+01	12 23	
9600 000	-4 965	160 0333	9602 00000	4 965	30 48	1 17E+01	12 24	
9800 000	-4 949	163 3667	9802 00000	4 949	30 49	1 16E+01	12 20	
10000 000	-4 914	166 7000	10002 00000	4 914	30 53	1 15E+01	12 12	
11440 000	-4 889	190 7000	11442 00000	4 889	30 55	1 15E+01	12 06	
12880 000	-4 914	214 7000	12882 00000	4 914	30 53	1 15E+01	12 12	
14320 000	-4 851	238 7000	14322 00000	4 851	30 59	1 14E+01	11 97	
15760 000	-4 927	262 7000	15762 00000	4 927	30 52	1 16E+01	12 15	
17200 000	-4 867	286 7000	17202 00000	4 867	30 58	1 14E+01	12 01	

Input data

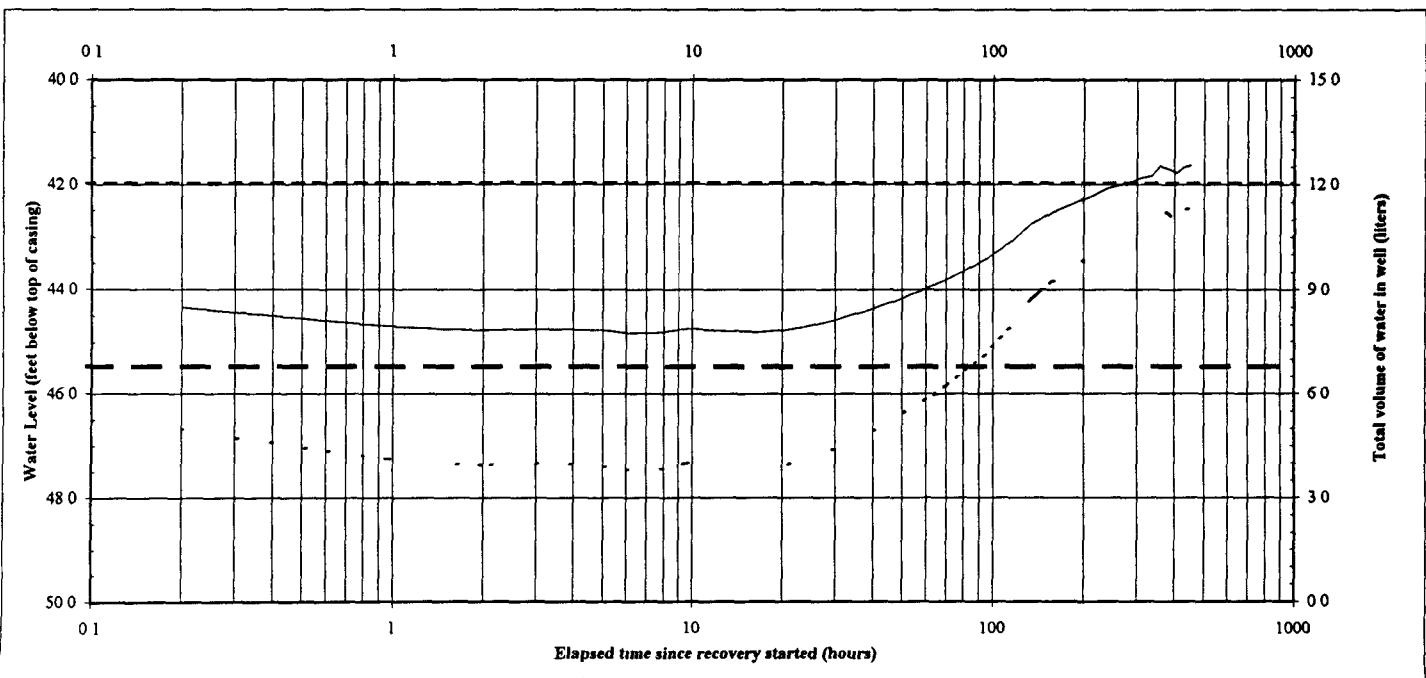
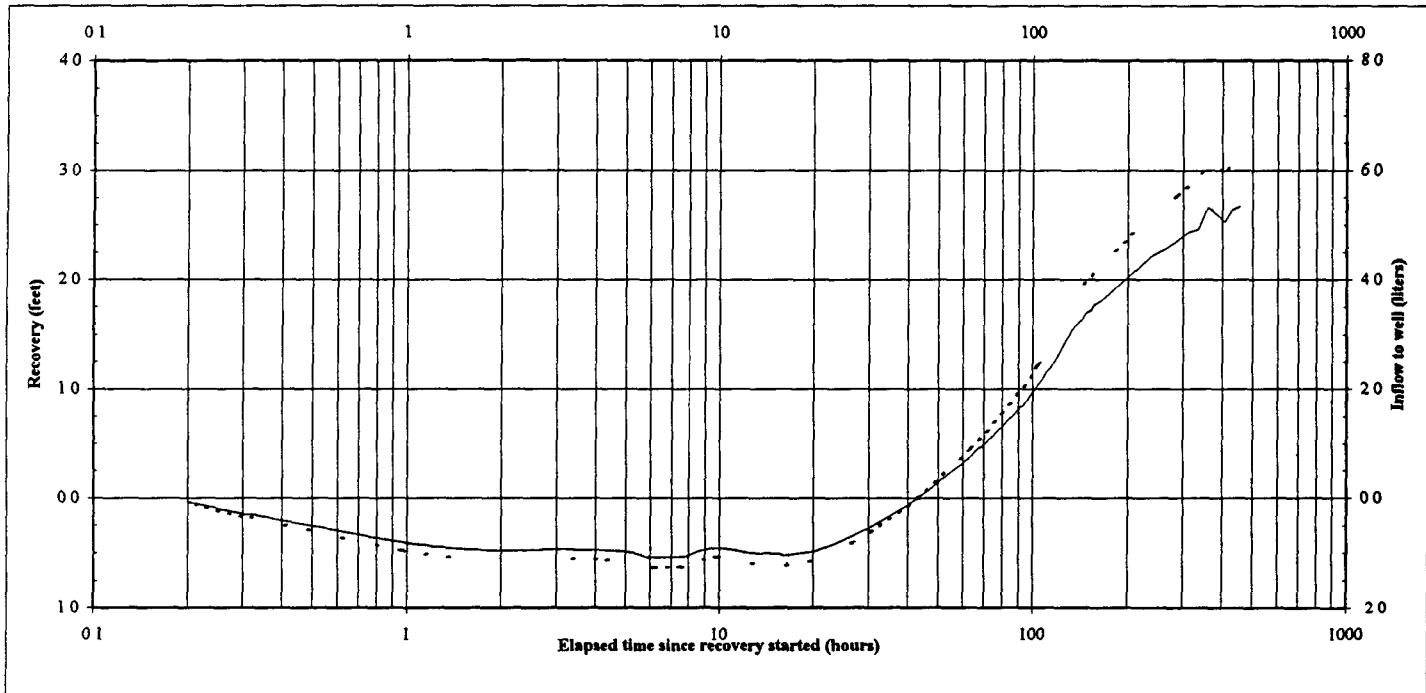
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
18640 000	-4 839	310 7000	18642.00000	4 839	30 60		1 14E+01	11 94
20080 000	-4 851	334 7000	20082.00000	4 851	30 59		1 14E+01	11 97
21520 000	-4 829	358 7000	21522.00000	4 829	30 61		1 13E+01	11 92
22960 000	-4 936	382 7000	22962.00000	4 936	30 51		1 16E+01	12 17
24400 000	-4 854	406 7000	24402.00000	4 854	30 59		1 14E+01	11 98
25840 000	-4 678	430 7000	25842.00000	4 678	30 77		1 10E+01	11 57
27280 000	-4 763	454 7000	27282.00000	4 763	30 68		1 12E+01	11 76

Well No. 43492
Measured recovery after sampling

Date: 19-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume



Well No. 43492
 Date Sampled 3rd quarter
 19-Aug-94

Final bail time	11.03				
Set transducer time	11.15				
Static water level (pre-sampling)	42.0				
Final water level (post-recovery)	41.9	feet below top of casing			
Last recorded water level	41.4	feet below top of casing			
Transducer reference depth	44.3	feet below top of casing			
Bottom of well	45.5	feet below top of casing			
First recorded water level	43.0	feet below transducer			
First recorded water level	43.3	feet below top of casing			
Water column remaining in casing after purging	2.2	feet			
Volume remaining in casing after purging	5.1	liters			
Well diameter	6.0	inches	0.500	feet	
Well radius	3.0	inches	0.250	feet	
Casing diameter	7.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	1.9	inches	0.162	feet	0.62 liters/foot
Top of sandpack	34.6	feet below top of casing	2.35 liters/foot		

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 000	0 034	0 034	0 2000	12 00000	-0 034	44 33	-7 28E-02	5 00
0 003	0 031	0 031	0 2001	12.00330	-0 031	44 33	-7 28E-02	5 00
0 007	0 031	0 031	0 2001	12 00660	-0 031	44 33	-7 28E-02	5 00
0 010	0 031	0 031	0 2002	12 01000	-0 031	44 33	-7 28E-02	5 00
0 013	0 031	0 031	0 2002	12 01330	-0 031	44 33	-7 28E-02	5 00
0 017	0 031	0 031	0 2003	12 01660	-0 031	44 33	-7 28E-02	5 00
0 020	0 031	0 031	0 2003	12 02000	-0 031	44 33	-7 28E-02	5 00
0 023	0 031	0 031	0 2004	12 02330	-0 031	44 33	-7 28E-02	5 00
0 027	0 034	0 034	0 2004	12 02660	-0 034	44 33	-7 98E-02	4 99
0 030	0 031	0 031	0 2005	12 03000	-0 031	44 33	-7 28E-02	5 00
0 033	0 034	0 034	0 2006	12 03330	-0 034	44 33	-7 98E-02	4 99
0 037	0 034	0 034	0 2006	12 03660	-0 034	44 33	-7 98E-02	4 99
0 040	0 034	0 034	0 2007	12 04000	-0 034	44 33	-7 98E-02	4 99
0 043	0 034	0 034	0 2007	12 04330	-0 034	44 33	-7 98E-02	4 99
0 047	0 034	0 034	0 2008	12 04660	-0 034	44 33	-7 98E-02	4 99
0 050	0 034	0 034	0 2008	12 05000	-0 034	44 33	-7 98E-02	4 99
0 053	0 034	0 034	0 2009	12 05330	-0 034	44 33	-7 98E-02	4 99
0 057	0 034	0 034	0 2009	12 05660	-0 034	44 33	-7 98E-02	4 99
0 060	0 034	0 034	0 2010	12 06000	-0 034	44 33	-7 98E-02	4 99
0 063	0 034	0 034	0 2011	12 06330	-0 034	44 33	-7 98E-02	4 99
0 067	0 034	0 034	0 2011	12 06660	-0 034	44 33	-7 98E-02	4 99
0 070	0 034	0 034	0 2012	12 07000	-0 034	44 33	-7 98E-02	4 99
0 073	0 034	0 034	0 2012	12.07330	-0 034	44 33	-7 98E-02	4 99
0 077	0 034	0 034	0 2013	12 07660	-0 034	44 33	-7 98E-02	4 99
0 080	0 034	0 034	0 2013	12 08000	-0 034	44 33	-7 98E-02	4 99
0 083	0 034	0 034	0 2014	12 08330	-0 034	44 33	-7 98E-02	4 99
0 087	0 034	0 034	0 2014	12 08660	-0 034	44 33	-7 98E-02	4 99
0 090	0 034	0 034	0 2015	12 09000	-0 034	44 33	-7 98E-02	4 99
0 093	0 034	0 034	0 2016	12 09330	-0 034	44 33	-7 98E-02	4 99
0 097	0 034	0 034	0 2016	12 09660	-0 034	44 33	-7 98E-02	4 99
0 100	0 034	0 034	0 2017	12 10000	-0 034	44 33	-7 98E-02	4 99
0 103	0 034	0 034	0 2017	12 10330	-0 034	44 33	-7 98E-02	4 99
0 107	0 034	0 034	0 2018	12 10660	-0 034	44 33	-7 98E-02	4 99
0 110	0 034	0 034	0 2018	12 11000	-0 034	44 33	-7 98E-02	4 99
0 113	0 034	0 034	0 2019	12 11330	-0 034	44 33	-7 98E-02	4 99
0 117	0 034	0 034	0 2019	12 11660	-0 034	44 33	-7 98E-02	4 99
0 120	0 034	0 034	0 2020	12 12000	-0 034	44 33	-7 98E-02	4 99
0 123	0 034	0 034	0 2021	12 12330	-0 034	44 33	-7 98E-02	4 99

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	0 034	0 2021	12 12660	-0 034	44 33		-7 98E-02	4 99
0 130	0 034	0 2022	12 13000	-0 034	44 33		-7 98E-02	4 99
0 133	0 034	0 2022	12 13330	-0 034	44 33		-7 98E-02	4 99
0 137	0 038	0 2023	12 13660	-0 038	44 34		-8 92E-02	4 98
0 140	0 038	0 2023	12 14000	-0 038	44 34		-8 92E-02	4 98
0 143	0 034	0 2024	12 14330	-0 034	44 33		-7 98E-02	4 99
0 147	0 034	0 2024	12 14660	-0 034	44 33		-7 98E-02	4 99
0 150	0 038	0 2025	12 15000	-0 038	44 34		-8 92E-02	4 98
0 153	0 038	0 2026	12 15330	-0 038	44 34		-8 92E-02	4 98
0 157	0 038	0 2026	12 15660	-0 038	44 34		-8 92E-02	4 98
0 160	0 038	0 2027	12 16000	-0 038	44 34		-8 92E-02	4 98
0 163	0 038	0 2027	12 16330	-0 038	44 34		-8 92E-02	4 98
0 167	0 038	0 2028	12 16660	-0 038	44 34		-8 92E-02	4 98
0 170	0 038	0 2028	12 17000	-0 038	44 34		-8 92E-02	4 98
0 173	0 038	0 2029	12 17330	-0 038	44 34		-8 92E-02	4 98
0 177	0 038	0 2029	12 17660	-0 038	44 34		-8 92E-02	4 98
0 180	0 038	0 2030	12 18000	-0 038	44 34		-8 92E-02	4 98
0 183	0 038	0 2031	12 18330	-0 038	44 34		-8 92E-02	4 98
0 187	0 038	0 2031	12 18660	-0 038	44 34		-8 92E-02	4 98
0 190	0 038	0 2032	12 19000	-0 038	44 34		-8 92E-02	4 98
0 193	0 038	0 2032	12 19330	-0 038	44 34		-8 92E-02	4 98
0 197	0 038	0 2033	12 19660	-0 038	44 34		-8 92E-02	4 98
0 200	0 038	0 2033	12 20000	-0 038	44 34		-8 92E-02	4 98
0 203	0 038	0 2034	12 20330	-0 038	44 34		-8 92E-02	4 98
0 207	0 038	0 2034	12 20660	-0 038	44 34		-8 92E-02	4 98
0 210	0 038	0 2035	12 21000	-0 038	44 34		-8 92E-02	4 98
0 213	0 038	0 2036	12 21330	-0 038	44 34		-8 92E-02	4 98
0 217	0 038	0 2036	12 21660	-0 038	44 34		-8 92E-02	4 98
0 220	0 038	0 2037	12 22000	-0 038	44 34		-8 92E-02	4 98
0 223	0 038	0 2037	12 22330	-0 038	44 34		-8 92E-02	4 98
0 227	0 038	0 2038	12 22660	-0 038	44 34		-8 92E-02	4 98
0 230	0 038	0 2038	12 23000	-0 038	44 34		-8 92E-02	4 98
0 233	0 038	0 2039	12 23330	-0 038	44 34		-8 92E-02	4 98
0 237	0 038	0 2039	12 23660	-0 038	44 34		-8 92E-02	4 98
0 240	0 038	0 2040	12 24000	-0 038	44 34		-8 92E-02	4 98
0 243	0 038	0 2041	12 24330	-0 038	44 34		-8 92E-02	4 98
0 247	0 038	0 2041	12 24660	-0 038	44 34		-8 92E-02	4 98
0 250	0 038	0 2042	12 25000	-0 038	44 34		-8 92E-02	4 98
0 253	0 038	0 2042	12 25330	-0 038	44 34		-8 92E-02	4 98
0 257	0 038	0 2043	12 25660	-0 038	44 34		-8 92E-02	4 98
0 260	0 038	0 2043	12 26000	-0 038	44 34		-8 92E-02	4 98
0 263	0 038	0 2044	12 26330	-0 038	44 34		-8 92E-02	4 98
0 267	0 038	0 2044	12 26660	-0 038	44 34		-8 92E-02	4 98
0 270	0 041	0 2045	12 27000	-0 041	44 34		-9 63E-02	4 98
0 273	0 038	0 2046	12 27330	-0 038	44 34		-8 92E-02	4 98
0 277	0 041	0 2046	12 27660	-0 041	44 34		-9 63E-02	4 98
0 280	0 041	0 2047	12 28000	-0 041	44 34		-9 63E-02	4 98
0 283	0 038	0 2047	12 28330	-0 038	44 34		-8 92E-02	4 98
0 287	0 041	0 2048	12 28660	-0 041	44 34		-9 63E-02	4 98
0 290	0 041	0 2048	12 29000	-0 041	44 34		-9 63E-02	4 98
0 293	0 041	0 2049	12 29330	-0 041	44 34		-9 63E-02	4 98
0 297	0 041	0 2049	12 29660	-0 041	44 34		-9 63E-02	4 98
0 300	0 041	0 2050	12 30000	-0 041	44 34		-9 63E-02	4 98
0 303	0 041	0 2051	12 30330	-0 041	44 34		-9 63E-02	4 98
0 307	0 041	0 2051	12 30660	-0 041	44 34		-9 63E-02	4 98
0 310	0 041	0 2052	12 31000	-0 041	44 34		-9 63E-02	4 98
0 313	0 041	0 2052	12 31330	-0 041	44 34		-9 63E-02	4 98
0 317	0 041	0 2053	12 31660	-0 041	44 34		-9 63E-02	4 98
0 320	0 041	0 2053	12 32000	-0 041	44 34		-9 63E-02	4 98
0 323	0 041	0 2054	12 32330	-0 041	44 34		-9 63E-02	4 98
0 327	0 041	0 2054	12 32660	-0 041	44 34		-9 63E-02	4 98
0 330	0 041	0 2055	12 33000	-0 041	44 34		-9 63E-02	4 98
0 333	0 041	0 2056	12 33330	-0 041	44 34		-9 63E-02	4 98
0 350	0 044	0 2058	12 35000	-0 044	44 34		-1 03E-01	4 97
0 367	0 044	0 2061	12 36660	-0 044	44 34		-1 03E-01	4 97
0 383	0 044	0 2064	12 38330	-0 044	44 34		-1 03E-01	4 97
0 400	0 044	0 2067	12 40000	-0 044	44 34		-1 03E-01	4 97
0 417	0 044	0 2069	12 41660	-0 044	44 34		-1 03E-01	4 97
0 433	0 044	0 2072	12 43330	-0 044	44 34		-1 03E-01	4 97
0 450	0 044	0 2075	12 45000	-0 044	44 34		-1 03E-01	4 97
0 467	0 044	0 2078	12 46660	-0 044	44 34		-1 03E-01	4 97
0 483	0 047	0 2081	12 48330	-0 047	44 35		-1 10E-01	4 96

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 500	0 047	0 2083	12 50000	-0 047	44 35	-1 10E-01	4 96	
0 517	0 047	0 2086	12 51660	-0 047	44 35	-1 10E-01	4 96	
0 533	0 047	0 2089	12 53330	-0 047	44 35	-1 10E-01	4 96	
0 550	0 047	0 2092	12 55000	-0 047	44 35	-1 10E-01	4 96	
0 567	0 047	0 2094	12 56660	-0 047	44 35	-1 10E-01	4 96	
0 583	0 047	0 2097	12.58330	-0 047	44 35	-1 10E-01	4 96	
0 600	0 047	0 2100	12 60000	-0 047	44 35	-1 10E-01	4 96	
0 617	0 047	0 2103	12.61660	-0 047	44 35	-1 10E-01	4 96	
0 633	0 050	0 2106	12 63330	-0 050	44 35	-1 17E-01	4 95	
0 650	0 050	0 2108	12 65000	-0 050	44 35	-1 17E-01	4 95	
0 667	0 050	0 2111	12 66660	-0 050	44 35	-1 17E-01	4 95	
0 683	0 050	0 2114	12 68330	-0 050	44 35	-1 17E-01	4 95	
0 700	0 050	0 2117	12 70000	-0 050	44 35	-1 17E-01	4 95	
0 717	0 050	0 2119	12 71660	-0 050	44 35	-1 17E-01	4 95	
0 733	0 050	0 2122	12 73330	-0 050	44 35	-1 17E-01	4 95	
0 750	0 050	0 2125	12 75000	-0 050	44 35	-1 17E-01	4 95	
0 767	0 054	0 2128	12 76660	-0 054	44 35	-1 27E-01	4 94	
0 783	0 054	0 2131	12 78330	-0 054	44 35	-1 27E-01	4 94	
0 800	0 054	0 2133	12 80000	-0 054	44 35	-1 27E-01	4 94	
0 817	0 054	0 2136	12 81660	-0 054	44 35	-1 27E-01	4 94	
0 833	0 054	0 2139	12 83330	-0 054	44 35	-1 27E-01	4 94	
0 850	0 054	0 2142	12 85000	-0 054	44 35	-1 27E-01	4 94	
0 867	0 054	0 2144	12 86660	-0 054	44 35	-1 27E-01	4 94	
0 883	0 054	0 2147	12 88330	-0 054	44 35	-1 27E-01	4 94	
0 900	0 054	0 2150	12 90000	-0 054	44 35	-1 27E-01	4 94	
0 917	0 057	0 2153	12 91660	-0 057	44 36	-1 34E-01	4 94	
0 933	0 057	0 2156	12 93330	-0 057	44 36	-1 34E-01	4 94	
0 950	0 057	0 2158	12.95000	-0 057	44 36	-1 34E-01	4 94	
0 967	0 057	0 2161	12 96660	-0 057	44 36	-1 34E-01	4 94	
0 983	0 057	0 2164	12.98330	-0 057	44 36	-1 34E-01	4 94	
1 000	0 057	0 2167	13 00000	-0 057	44 36	-1 34E-01	4 94	
1 200	0 063	0 2200	13 20000	-0 063	44 36	-1 48E-01	4 92	
1 400	0 066	0 2233	13 40000	-0 066	44 37	-1 55E-01	4 92	
1 600	0 069	0 2267	13 60000	-0 069	44 37	-1 62E-01	4 91	
1 800	0 076	0 2300	13 80000	-0 076	44 38	-1 78E-01	4 89	
2 000	0 079	0 2333	14 00000	-0 079	44 38	-1 85E-01	4 89	
2 200	0 082	0 2367	14 20000	-0 082	44 38	-1 93E-01	4 88	
2 400	0 085	0 2400	14 40000	-0 085	44 39	-2 00E-01	4 87	
2 600	0 089	0 2433	14 60000	-0 089	44 39	-2 09E-01	4 86	
2 800	0 092	0 2467	14 80000	-0 092	44 39	-2 16E-01	4 86	
3 000	0 098	0 2500	15 00000	-0 098	44 40	-2 30E-01	4 84	
3 200	0 101	0 2533	15 20000	-0 101	44 40	-2 37E-01	4 83	
3 400	0 104	0 2567	15 40000	-0 104	44 40	-2 44E-01	4 83	
3 600	0 108	0 2600	15 60000	-0 108	44 41	-2 54E-01	4 82	
3 800	0 111	0 2633	15 80000	-0 111	44 41	-2 61E-01	4 81	
4 000	0 114	0 2667	16 00000	-0 114	44 41	-2 68E-01	4 80	
4 200	0 117	0 2700	16 20000	-0 117	44 42	-2 75E-01	4 80	
4 400	0 120	0 2733	16 40000	-0 120	44 42	-2 82E-01	4 79	
4 600	0 124	0 2767	16 60000	-0 124	44 42	-2 91E-01	4 78	
4 800	0 127	0 2800	16 80000	-0 127	44 43	-2 98E-01	4 77	
5 000	0 130	0 2833	17 00000	-0 130	44 43	-3 05E-01	4 77	
5 200	0 133	0 2867	17 20000	-0 133	44 43	-3 12E-01	4 76	
5 400	0 136	0 2900	17 40000	-0 136	44 44	-3 19E-01	4 75	
5 600	0 139	0 2933	17 60000	-0 139	44 44	-3 26E-01	4 74	
5 800	0 143	0 2967	17 80000	-0 143	44 44	-3 36E-01	4 74	
6 000	0 146	0 3000	18 00000	-0 146	44 45	-3 43E-01	4 73	
6 200	0 149	0 3033	18 20000	-0 149	44 45	-3 50E-01	4 72	
6 400	0 152	0 3067	18 40000	-0 152	44 45	-3 57E-01	4 71	
6 600	0 152	0 3100	18 60000	-0 152	44 45	-3 57E-01	4 71	
6 800	0 155	0 3133	18 80000	-0 155	44 46	-3 64E-01	4 71	
7 000	0 149	0 3167	19 00000	-0 149	44 45	-3 50E-01	4 72	
7 200	0 152	0 3200	19 20000	-0 152	44 45	-3 57E-01	4 71	
7 400	0 152	0 3233	19 40000	-0 152	44 45	-3 57E-01	4 71	
7 600	0 155	0 3267	19 60000	-0 155	44 46	-3 64E-01	4 71	
7 800	0 155	0 3300	19 80000	-0 155	44 46	-3 64E-01	4 71	
8 000	0 158	0 3333	20 00000	-0 158	44 46	-3 71E-01	4 70	
8 200	0 162	0 3367	20 20000	-0 162	44 46	-3 80E-01	4 69	
8 400	0 165	0 3400	20 40000	-0 165	44 47	-3 87E-01	4 68	
8 600	0 165	0 3433	20 60000	-0 165	44 47	-3 87E-01	4 68	
8 800	0 168	0 3467	20 80000	-0 168	44 47	-3 94E-01	4 68	
9 000	0 171	0 3500	21 00000	-0 171	44 47	-4 01E-01	4 67	
9 200	0 171	0 3533	21 20000	-0 171	44 47	-4 01E-01	4 67	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
9 400	0 174	0 3567	21 40000	-0 174	44 47	-4 09E-01	4 66	
9 600	0 174	0 3600	21 60000	-0 174	44 47	-4 09E-01	4 66	
9 800	0 178	0 3633	21 80000	-0 178	44 48	-4 18E-01	4 65	
10 000	0 181	0 3667	22 00000	-0 181	44 48	-4 25E-01	4 65	
12 000	0 203	0 4000	24 00000	-0 203	44 50	-4 77E-01	4 59	
14 000	0 222	0 4333	26 00000	-0 222	44 52	-5 21E-01	4 55	
16 000	0 238	0 4667	28 00000	-0 238	44 54	-5 59E-01	4 51	
18 000	0 254	0 5000	30 00000	-0 254	44 55	-5 96E-01	4 47	
20 000	0 270	0 5333	32 00000	-0 270	44 57	-6 34E-01	4 44	
22 000	0 286	0 5667	34 00000	-0 286	44 59	-6 71E-01	4 40	
24 000	0 298	0 6000	36 00000	-0 298	44 60	-7 00E-01	4 37	
26 000	0 314	0 6333	38 00000	-0 314	44 61	-7 37E-01	4 33	
28 000	0 327	0 6667	40 00000	-0 327	44 63	-7 68E-01	4 30	
30 000	0 337	0 7000	42 00000	-0 337	44 64	-7 91E-01	4 28	
32 000	0 346	0 7333	44 00000	-0 346	44 65	-8 12E-01	4 26	
34 000	0 356	0 7667	46 00000	-0 356	44 66	-8 36E-01	4 24	
36 000	0 365	0 8000	48 00000	-0 365	44 67	-8 57E-01	4 21	
38 000	0 375	0 8333	50 00000	-0 375	44 68	-8 80E-01	4 19	
40 000	0 381	0 8667	52 00000	-0 381	44 68	-8 95E-01	4 18	
42 000	0 391	0 9000	54 00000	-0 391	44 69	-9 18E-01	4 15	
44 000	0 397	0 9333	56 00000	-0 397	44 70	-9 32E-01	4 14	
46 000	0 403	0 9667	58 00000	-0 403	44 70	-9 46E-01	4 13	
48 000	0 410	1 0000	60 00000	-0 410	44 71	-9 63E-01	4 11	
50 000	0 416	1 0333	62 00000	-0 416	44 72	-9 77E-01	4 09	
52 000	0 419	1 0667	64 00000	-0 419	44 72	-9 84E-01	4 09	
54 000	0 426	1 1000	66 00000	-0 426	44 73	-1 00E+00	4 07	
56 000	0 429	1 1333	68 00000	-0 429	44 73	-1 01E+00	4 06	
58 000	0 435	1 1667	70 00000	-0 435	44 74	-1 02E+00	4 05	
60 000	0 441	1 2000	72 00000	-0 441	44 74	-1 04E+00	4 04	
62 000	0 445	1 2333	74 00000	-0 445	44 75	-1 04E+00	4 03	
64 000	0 445	1 2667	76 00000	-0 445	44 75	-1 04E+00	4 03	
66 000	0 448	1 3000	78 00000	-0 448	44 75	-1 05E+00	4 02	
68 000	0 451	1 3333	80 00000	-0 451	44 75	-1 06E+00	4 01	
70 000	0 454	1 3667	82 00000	-0 454	44 75	-1 07E+00	4 01	
72 000	0 454	1 4000	84 00000	-0 454	44 75	-1 07E+00	4 01	
74 000	0 457	1 4333	86 00000	-0 457	44 76	-1 07E+00	4 00	
76 000	0 461	1 4667	88 00000	-0 461	44 76	-1 08E+00	3 99	
78 000	0 461	1 5000	90 00000	-0 461	44 76	-1 08E+00	3 99	
80 000	0 464	1 5333	92 00000	-0 464	44 76	-1 09E+00	3 98	
82 000	0 464	1 5667	94 00000	-0 464	44 76	-1 09E+00	3 98	
84 000	0 464	1 6000	96 00000	-0 464	44 76	-1 09E+00	3 98	
86 000	0 467	1 6333	98 00000	-0 467	44 77	-1 10E+00	3 97	
88 000	0 470	1 6667	100 00000	-0 470	44 77	-1 10E+00	3 97	
90 000	0 470	1 7000	102 00000	-0 470	44 77	-1 10E+00	3 97	
92 000	0 473	1 7333	104 00000	-0 473	44 77	-1 11E+00	3 96	
94 000	0 473	1 7667	106 00000	-0 473	44 77	-1 11E+00	3 96	
96 000	0 473	1 8000	108 00000	-0 473	44 77	-1 11E+00	3 96	
98 000	0 476	1 8333	110 00000	-0 476	44 78	-1 12E+00	3 95	
100 000	0 476	1 8667	112 00000	-0 476	44 78	-1 12E+00	3 95	
120 000	0 476	2 2000	132 00000	-0 476	44 78	-1 12E+00	3 95	
140 000	0 470	2 5333	152 00000	-0 470	44 77	-1 10E+00	3 97	
160 000	0 464	2 8667	172 00000	-0 464	44 76	-1 09E+00	3 98	
180 000	0 461	3 2000	192 00000	-0 461	44 76	-1 08E+00	3 99	
200 000	0 470	3 5333	212 00000	-0 470	44 77	-1 10E+00	3 97	
220 000	0 470	3 8667	232 00000	-0 470	44 77	-1 10E+00	3 97	
240 000	0 473	4 2000	252 00000	-0 473	44 77	-1 11E+00	3 96	
260 000	0 480	4 5333	272 00000	-0 480	44 78	-1 13E+00	3 94	
280 000	0 483	4 8667	292 00000	-0 483	44 78	-1 13E+00	3 94	
300 000	0 496	5 2000	312 00000	-0 496	44 80	-1 16E+00	3 91	
320 000	0 511	5 5333	332 00000	-0 511	44 81	-1 20E+00	3 87	
340 000	0 540	5 8667	352 00000	-0 540	44 84	-1 27E+00	3 80	
360 000	0 540	6 2000	372 00000	-0 540	44 84	-1 27E+00	3 80	
380 000	0 540	6 5333	392 00000	-0 540	44 84	-1 27E+00	3 80	
400 000	0 540	6 8667	412 00000	-0 540	44 84	-1 27E+00	3 80	
420 000	0 534	7 2000	432 00000	-0 534	44 83	-1 25E+00	3 82	
440 000	0 534	7 5333	452 00000	-0 534	44 83	-1 25E+00	3 82	
460 000	0 527	7 8667	472 00000	-0 527	44 83	-1 24E+00	3 83	
480 000	0 508	8 2000	492 00000	-0 508	44 81	-1 19E+00	3 88	
500 000	0 486	8 5333	512 00000	-0 486	44 79	-1 14E+00	3 93	
520 000	0 473	8 8667	532 00000	-0 473	44 77	-1 11E+00	3 96	
540 000	0 467	9 2000	552 00000	-0 467	44 77	-1 10E+00	3 97	
560 000	0 457	9 5333	572 00000	-0 457	44 76	-1 07E+00	4 00	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
580 000	0 457	9 8667	592.00000	-0 457	44 76	-1 07E+00	4 00	
600 000	0 457	10 2000	612.00000	-0 457	44 76	-1 07E+00	4 00	
620 000	0 461	10 5333	632.00000	-0 461	44 76	-1 08E+00	3 99	
640 000	0 464	10 8667	652.00000	-0 464	44 76	-1 09E+00	3 98	
660 000	0 473	11 2000	672.00000	-0 473	44 77	-1 11E+00	3 96	
680 000	0 476	11 5333	692.00000	-0 476	44 78	-1 12E+00	3 95	
700 000	0 489	11 8667	712.00000	-0 489	44 79	-1 15E+00	3 92	
720 000	0 496	12 2000	732.00000	-0 496	44 80	-1 16E+00	3 91	
740 000	0 496	12 5333	752.00000	-0 496	44 80	-1 16E+00	3 91	
760 000	0 502	12 8667	772.00000	-0 502	44 80	-1 18E+00	3 89	
780 000	0 502	13 2000	792.00000	-0 502	44 80	-1 18E+00	3 89	
800 000	0 505	13 5333	812.00000	-0 505	44 81	-1 19E+00	3 89	
820 000	0 502	13 8667	832.00000	-0 502	44 80	-1 18E+00	3 89	
840 000	0 496	14 2000	852.00000	-0 496	44 80	-1 16E+00	3 91	
860 000	0 499	14 5333	872.00000	-0 499	44 80	-1 17E+00	3 90	
880 000	0 505	14 8667	892.00000	-0 505	44 81	-1 19E+00	3 89	
900 000	0 505	15 2000	912.00000	-0 505	44 81	-1 19E+00	3 89	
920 000	0 508	15 5333	932.00000	-0 508	44 81	-1 19E+00	3 88	
940 000	0 515	15 8667	952.00000	-0 515	44 82	-1 21E+00	3 86	
960 000	0 524	16 2000	972.00000	-0 524	44 82	-1 23E+00	3 84	
980 000	0 518	16 5333	992.00000	-0 518	44 82	-1 22E+00	3 86	
1000 000	0 511	16 8667	1012.00000	-0 511	44 81	-1 20E+00	3 87	
1200 000	0 483	20 2000	1212.00000	-0 483	44 78	-1 13E+00	3 94	
1400 000	0 416	23 5333	1412.00000	-0 416	44 72	-9 77E-01	4 09	
1600 000	0 343	26 8667	1612.00000	-0 343	44 64	-8 05E-01	4 27	
1800 000	0 270	30 2000	1812.00000	-0 270	44 57	-6 34E-01	4 44	
2000 000	0 193	33 5333	2012.00000	-0 193	44 49	-4 53E-01	4 62	
2200 000	0 127	36 8667	2212.00000	-0 127	44 43	-2.98E-01	4 77	
2400 000	0 057	40 2000	2412.00000	-0 057	44 36	-1 34E-01	4 94	
2600 000	-0 009	43 5333	2612.00000	0 009	44 29	2.11E-02	5 09	
2800 000	-0 073	46 8667	2812.00000	0 073	44 23	1 71E-01	5 24	
3000 000	-0 149	50 2000	3012.00000	0 149	44 15	3 50E-01	5 42	
3200 000	-0 216	53 5333	3212.00000	0 216	44 08	5 07E-01	5 58	
3400 000	-0 267	56 8667	3412.00000	0 267	44 03	6 27E-01	5 70	
3600 000	-0 324	60 2000	3612.00000	0 324	43 98	7 61E-01	5 83	
3800 000	-0 381	63 5333	3812.00000	0 381	43 92	8 95E-01	5 97	
4000 000	-0 445	66 8667	4012.00000	0 445	43 86	1 04E+00	6 12	
4200 000	-0 492	70 2000	4212.00000	0 492	43 81	1 16E+00	6 23	
4400 000	-0 556	73 5333	4412.00000	0 556	43 74	1 31E+00	6 38	
4600 000	-0 613	76 8667	4612.00000	0 613	43 69	1 44E+00	6 51	
4800 000	-0 664	80 2000	4812.00000	0 664	43 64	1 56E+00	6 63	
5000 000	-0 715	83 5333	5012.00000	0 715	43 59	1 68E+00	6 75	
5200 000	-0 760	86 8667	5212.00000	0 760	43 54	1 78E+00	6 86	
5400 000	-0 820	90 2000	5412.00000	0 820	43 48	1 93E+00	7 00	
5600 000	-0 858	93 5333	5612.00000	0 858	43 44	2 01E+00	7 09	
5800 000	-0 915	96 8667	5812.00000	0 915	43 39	2 15E+00	7 22	
6000 000	-0 982	100 2000	6012.00000	0 982	43 32	2 31E+00	7 38	
6200 000	-1 033	103 5333	6212.00000	1 033	43 27	2 43E+00	7 50	
6400 000	-1 084	106 8667	6412.00000	1 084	43 22	2.55E+00	7 62	
6600 000	-1 151	110 2000	6612.00000	1 151	43 15	2 70E+00	7 77	
6800 000	-1 192	113 5333	6812.00000	1 192	43 11	2 80E+00	7 87	
7000 000	-1 246	116 8667	7012.00000	1 246	43 05	2 93E+00	8 00	
7200 000	-1 316	120 2000	7212.00000	1 316	42 98	3 09E+00	8 16	
7400 000	-1 380	123 5333	7412.00000	1 380	42 92	3 24E+00	8 31	
7600 000	-1 444	126 8667	7612.00000	1 444	42 86	3 39E+00	8 46	
7800 000	-1 485	130 2000	7812.00000	1 485	42 82	3 49E+00	8 56	
8000 000	-1 548	133 5333	8012.00000	1 548	42 75	3 63E+00	8 71	
8200 000	-1 583	136 8667	8212.00000	1 583	42 72	3 72E+00	8 79	
8400 000	-1 615	140 2000	8412.00000	1 615	42 69	3 79E+00	8 86	
8600 000	-1 641	143 5333	8612.00000	1 641	42 66	3 85E+00	8 92	
8800 000	-1 692	146 8667	8812.00000	1 692	42 61	3 97E+00	9 04	
9000 000	-1 711	150 2000	9012.00000	1 711	42 59	4 02E+00	9 09	
9200 000	-1 727	153 5333	9212.00000	1 727	42 57	4 05E+00	9 13	
9400 000	-1 778	156 8667	9412.00000	1 778	42 52	4 17E+00	9 25	
9600 000	-1 790	160 2000	9612.00000	1 790	42 51	4 20E+00	9 27	
9800 000	-1 806	163 5333	9812.00000	1 806	42 49	4 24E+00	9 31	
10000 000	-1 828	166 8667	10012.00000	1 828	42 47	4 29E+00	9 36	
11440 000	-1 972	190 8667	11452.00000	1 972	42 33	4 63E+00	9 70	
12880 000	-2 099	214 8667	12892.00000	2 099	42 20	4 93E+00	10 00	
14320 000	-2 226	238 8667	14332.00000	2 226	42 07	5 23E+00	10 30	
15760 000	-2 283	262 8667	15772.00000	2 283	42 02	5 36E+00	10 43	
17200 000	-2 360	286 8667	17212.00000	2 360	41 94	5 54E+00	10 61	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
18640 000	-2 433	310 8667	18632.00000	2 433	41 87		5 71E+00	10 78
20080 000	-2 462	334 8667	20092 00000	2 462	41 84		5 78E+00	10 85
21520 000	-2 659	358 8667	21532 00000	2 659	41 64		6 24E+00	11 31
22960 000	-2 602	382.8667	22972 00000	2 602	41 70		6 11E+00	11 18
24400 000	-2 528	406 8667	24412.00000	2 528	41 77		5 94E+00	11 01
25840 000	-2 643	430 8667	25852 00000	2 643	41 66		6 21E+00	11 28
27280 000	-2 672	454 8667	27292.00000	2.672	41 63		6 27E+00	11 34

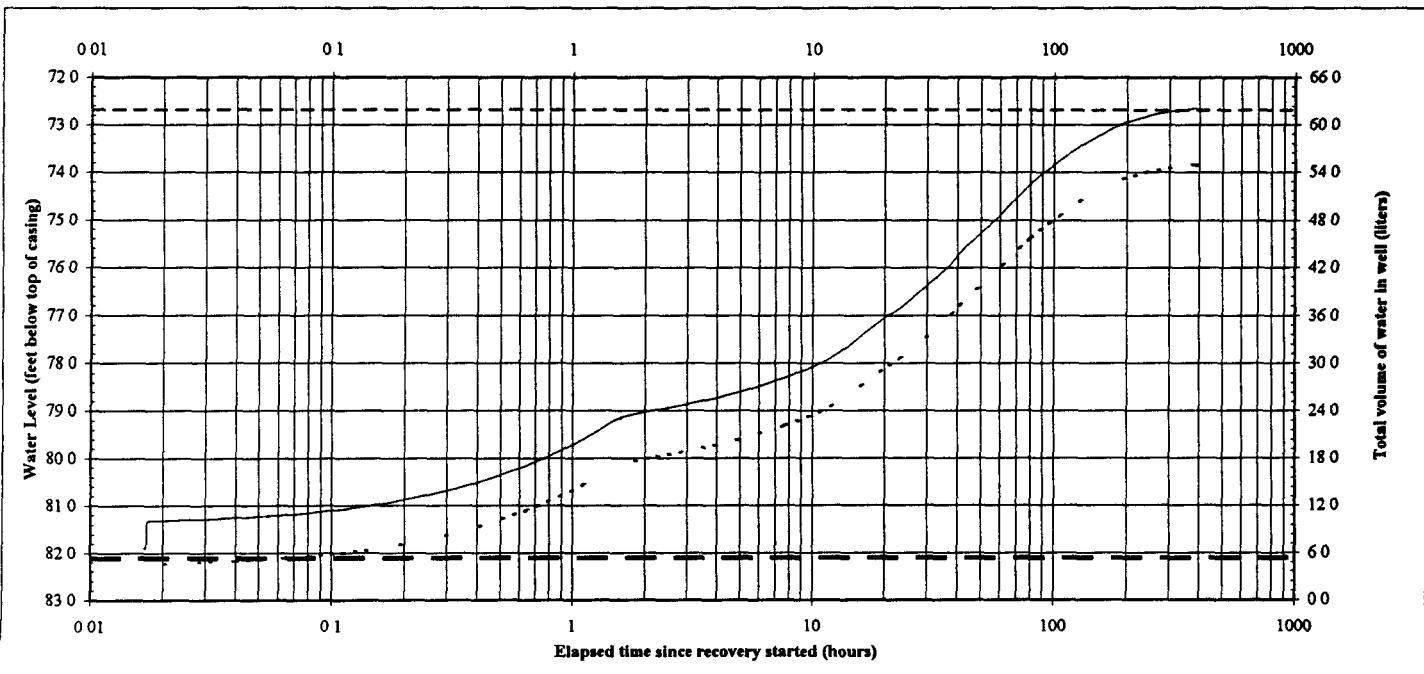
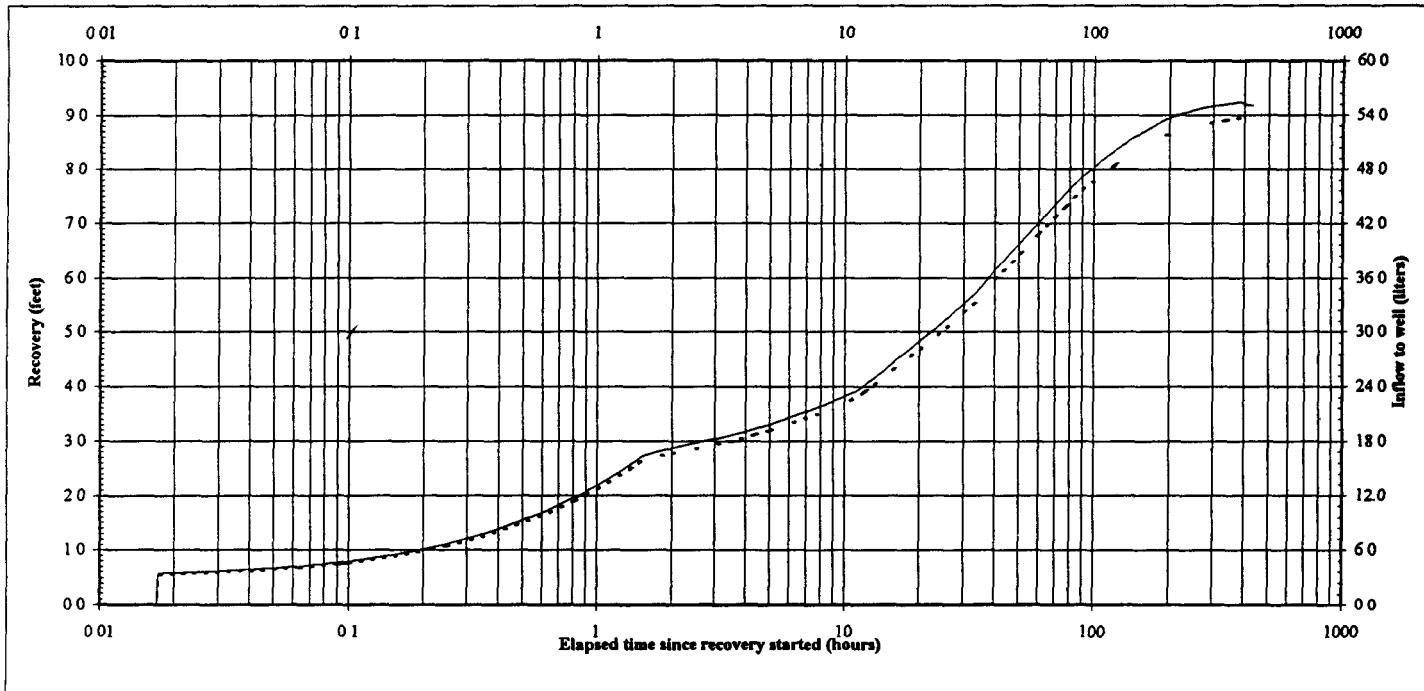
Well No. 46192

Measured recovery after sampling

Date: 19-Aug-94

3rd quarter 1994

Pre-sampling
 - - - - - Static Water Level
 - - - - - Bottom of well
 - - - - - Water Level
 - - - - - Volume



Well No.

46192

Date Sampled

3rd quarter
19-Aug-94

Final bail time	10:35	Delay	1 00	Minutes
Set transducer time	10:36			
Static water level (pre-sampling)	72.7	feet below top of casing		
Final water level (post-recovery)	72.7	feet below top of casing		
Last recorded water level	9.2	feet below transducer		
Transducer reference depth	81.9	feet below top of casing		
Bottom of well	82.1	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	81.9	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.3	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	53.1	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data						Cumulative	Volume of	
Transducer Elapsed Time	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 000	-0 006	0 0167	1 00000	0 006	81 89			
0 003	-0 006	0 0167	1 00330	0 006	81 89		3.48E-02	1.32
0 007	-0 003	0 0168	1 00660	0 003	81 89		1.74E-02	1.31
0 010	-0 012	0 0168	1 01000	0 012	81 88		6.97E-02	1.36
0 013	-0 012	0 0169	1 01330	0 012	81 88		6.97E-02	1.36
0 017	-0 012	0 0169	1 01660	0 012	81 88		6.97E-02	1.36
0 020	0 000	0 0170	1 02000	0 000	81 89		0.00E+00	1.29
0 023	-0 006	0 0171	1 02330	0 006	81 89		3.48E-02	1.32
0 027	-0 160	0 0171	1 02660	0 160	81 73		9.29E-01	2.22
0 030	-0 537	0 0172	1 03000	0 537	81 36		3.12E+00	4.41
0 033	-0 562	0 0172	1 03330	0 562	81 33		3.26E+00	4.55
0 037	-0 568	0 0173	1 03660	0 568	81 33		3.30E+00	4.59
0 040	-0 575	0 0173	1 04000	0 575	81 32		3.34E+00	4.63
0 043	-0 575	0 0174	1 04330	0 575	81 32		3.34E+00	4.63
0 047	-0 575	0 0174	1 04660	0 575	81 32		3.34E+00	4.63
0 050	-0 575	0 0175	1 05000	0 575	81 32		3.34E+00	4.63
0 053	-0 575	0 0176	1 05330	0 575	81 32		3.34E+00	4.63
0 057	-0 575	0 0176	1 05660	0 575	81 32		3.34E+00	4.63
0 060	-0 575	0 0177	1 06000	0 575	81 32		3.34E+00	4.63
0 063	-0 575	0 0177	1 06330	0 575	81 32		3.34E+00	4.63
0 067	-0 578	0 0178	1 06660	0 578	81 32		3.36E+00	4.65
0 070	-0 578	0 0178	1 07000	0 578	81 32		3.36E+00	4.65
0 073	-0 575	0 0179	1 07330	0 575	81 32		3.34E+00	4.63
0 077	-0 578	0 0179	1 07660	0 578	81 32		3.36E+00	4.65
0 080	-0 578	0 0180	1 08000	0 578	81 32		3.36E+00	4.65
0 083	-0 578	0 0181	1 08330	0 578	81 32		3.36E+00	4.65
0 087	-0 578	0 0181	1 08660	0 578	81 32		3.36E+00	4.65
0 090	-0 578	0 0182	1 09000	0 578	81 32		3.36E+00	4.65
0 093	-0 578	0 0182	1 09330	0 578	81 32		3.36E+00	4.65
0 097	-0 578	0 0183	1 09660	0 578	81 32		3.36E+00	4.65
0 100	-0 578	0 0183	1 10000	0 578	81 32		3.36E+00	4.65
0 103	-0 578	0 0184	1 10330	0 578	81 32		3.36E+00	4.65
0 107	-0 578	0 0184	1 10660	0 578	81 32		3.36E+00	4.65
0 110	-0 578	0 0185	1 11000	0 578	81 32		3.36E+00	4.65
0 113	-0 578	0 0186	1 11330	0 578	81 32		3.36E+00	4.65
0 117	-0 578	0 0186	1 11660	0 578	81 32		3.36E+00	4.65
0 120	-0 578	0 0187	1 12000	0 578	81 32		3.36E+00	4.65
0 123	-0 578	0 0187	1 12330	0 578	81 32		3.36E+00	4.65

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 127	-0 578	0 0188	1 12660	0 578	81 32	3 36E+00	4 65	
0 130	-0 578	0 0188	1 13000	0 578	81 32	3 36E+00	4 65	
0 133	-0 578	0 0189	1 13330	0 578	81 32	3 36E+00	4 65	
0 137	-0 578	0 0189	1 13660	0 578	81 32	3 36E+00	4 65	
0 140	-0 578	0 0190	1 14000	0 578	81 32	3 36E+00	4 65	
0 143	-0 581	0 0191	1 14330	0 581	81 31	3 37E+00	4 66	
0 147	-0 581	0 0191	1 14660	0 581	81 31	3 37E+00	4 66	
0 150	-0 581	0 0192	1 15000	0 581	81 31	3 37E+00	4 66	
0 153	-0 581	0 0192	1 15330	0 581	81 31	3 37E+00	4 66	
0 157	-0 581	0 0193	1 15660	0 581	81 31	3 37E+00	4 66	
0 160	-0 581	0 0193	1 16000	0 581	81 31	3 37E+00	4 66	
0 163	-0 581	0 0194	1 16330	0 581	81 31	3 37E+00	4 66	
0 167	-0 581	0 0194	1 16660	0 581	81 31	3 37E+00	4 66	
0 170	-0 581	0 0195	1 17000	0 581	81 31	3 37E+00	4 66	
0 173	-0 581	0 0196	1 17330	0 581	81 31	3 37E+00	4 66	
0 177	-0 581	0 0196	1 17660	0 581	81 31	3 37E+00	4 66	
0 180	-0 581	0 0197	1 18000	0 581	81 31	3 37E+00	4 66	
0 183	-0 581	0 0197	1 18330	0 581	81 31	3 37E+00	4 66	
0 187	-0 581	0 0198	1 18660	0 581	81 31	3 37E+00	4 66	
0 190	-0 581	0 0198	1 19000	0 581	81 31	3 37E+00	4 66	
0 193	-0 581	0 0199	1 19330	0 581	81 31	3 37E+00	4 66	
0 197	-0 581	0 0199	1 19660	0 581	81 31	3 37E+00	4 66	
0 200	-0 584	0 0200	1 20000	0 584	81 31	3 39E+00	4 68	
0 203	-0 584	0 0201	1 20330	0 584	81 31	3 39E+00	4 68	
0 207	-0 584	0 0201	1 20660	0 584	81 31	3 39E+00	4 68	
0 210	-0 584	0 0202	1 21000	0 584	81 31	3 39E+00	4 68	
0 213	-0 584	0 0202	1 21330	0 584	81 31	3 39E+00	4 68	
0 217	-0 584	0 0203	1 21660	0 584	81 31	3 39E+00	4 68	
0 220	-0 584	0 0203	1 22000	0 584	81 31	3 39E+00	4 68	
0 223	-0 584	0 0204	1 22330	0 584	81 31	3 39E+00	4 68	
0 227	-0 584	0 0204	1 22660	0 584	81 31	3 39E+00	4 68	
0 230	-0 584	0 0205	1 23000	0 584	81 31	3 39E+00	4 68	
0 233	-0 584	0 0206	1 23330	0 584	81 31	3 39E+00	4 68	
0 237	-0 587	0 0206	1 23660	0 587	81 31	3 41E+00	4 70	
0 240	-0 584	0 0207	1 24000	0 584	81 31	3 39E+00	4 68	
0 243	-0 584	0 0207	1 24330	0 584	81 31	3 39E+00	4 68	
0 247	-0 584	0 0208	1 24660	0 584	81 31	3 39E+00	4 68	
0 250	-0 587	0 0208	1 25000	0 587	81 31	3 41E+00	4 70	
0 253	-0 584	0 0209	1 25330	0 584	81 31	3 39E+00	4 68	
0 257	-0 584	0 0209	1 25660	0 584	81 31	3 39E+00	4 68	
0 260	-0 584	0 0210	1 26000	0 584	81 31	3 39E+00	4 68	
0 263	-0 587	0 0211	1 26330	0 587	81 31	3 41E+00	4 70	
0 267	-0 587	0 0211	1 26660	0 587	81 31	3 41E+00	4 70	
0 270	-0 587	0 0212	1 27000	0 587	81 31	3 41E+00	4 70	
0 273	-0 587	0 0212	1 27330	0 587	81 31	3 41E+00	4 70	
0 277	-0 587	0 0213	1 27660	0 587	81 31	3 41E+00	4 70	
0 280	-0 587	0 0213	1 28000	0 587	81 31	3 41E+00	4 70	
0 283	-0 587	0 0214	1 28330	0 587	81 31	3 41E+00	4 70	
0 287	-0 587	0 0214	1 28660	0 587	81 31	3 41E+00	4 70	
0 290	-0 587	0 0215	1 29000	0 587	81 31	3 41E+00	4 70	
0 293	-0 587	0 0216	1 29330	0 587	81 31	3 41E+00	4 70	
0 297	-0 587	0 0216	1 29660	0 587	81 31	3 41E+00	4 70	
0 300	-0 587	0 0217	1 30000	0 587	81 31	3 41E+00	4 70	
0 303	-0 587	0 0217	1 30330	0 587	81 31	3 41E+00	4 70	
0 307	-0 587	0 0218	1 30660	0 587	81 31	3 41E+00	4 70	
0 310	-0 587	0 0218	1 31000	0 587	81 31	3 41E+00	4 70	
0 313	-0 587	0 0219	1 31330	0 587	81 31	3 41E+00	4 70	
0 317	-0 587	0 0219	1 31660	0 587	81 31	3 41E+00	4 70	
0 320	-0 587	0 0220	1 32000	0 587	81 31	3 41E+00	4 70	
0 323	-0 587	0 0221	1 32330	0 587	81 31	3 41E+00	4 70	
0 327	-0 587	0 0221	1 32660	0 587	81 31	3 41E+00	4 70	
0 330	-0 590	0 0222	1 33000	0 590	81 30	3 43E+00	4 72	
0 333	-0 590	0 0222	1 33330	0 590	81 30	3 43E+00	4 72	
0 350	-0 590	0 0225	1 35000	0 590	81 30	3 43E+00	4 72	
0 367	-0 590	0 0228	1 36660	0 590	81 30	3 43E+00	4 72	
0 383	-0 590	0 0231	1 38330	0 590	81 30	3 43E+00	4 72	
0 400	-0 594	0 0233	1 40000	0 594	81 30	3 45E+00	4 74	
0 417	-0 594	0 0236	1 41660	0 594	81 30	3 45E+00	4 74	
0 433	-0 594	0 0239	1 43330	0 594	81 30	3 45E+00	4 74	
0 450	-0 597	0 0242	1 45000	0 597	81 30	3 47E+00	4 76	
0 467	-0 597	0 0244	1 46660	0 597	81 30	3 47E+00	4 76	
0 483	-0 597	0 0247	1 48330	0 597	81 30	3 47E+00	4 76	

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)				
0 500	-0 597	0 0250	1 50000	0 597	81 30	3 47E+00	4 76	
0 517	-0 597	0 0253	1 51660	0 597	81 30	3 47E+00	4 76	
0 533	-0 600	0 0256	1 53330	0 600	81 29	3 48E+00	4 77	
0 550	-0 600	0 0258	1 55000	0 600	81 29	3 48E+00	4 77	
0 567	-0 600	0 0261	1 56660	0 600	81 29	3 48E+00	4 77	
0 583	-0 600	0 0264	1 58330	0 600	81 29	3 48E+00	4 77	
0 600	-0 603	0 0267	1 60000	0 603	81 29	3 50E+00	4 79	
0 617	-0 603	0 0269	1 61660	0 603	81 29	3 50E+00	4 79	
0 633	-0 603	0 0272	1 63330	0 603	81 29	3 50E+00	4 79	
0 650	-0 603	0 0275	1 65000	0 603	81 29	3 50E+00	4 79	
0 667	-0 606	0 0278	1 66660	0 606	81 29	3 52E+00	4 81	
0 683	-0 606	0 0281	1 68330	0 606	81 29	3 52E+00	4 81	
0 700	-0 606	0 0283	1 70000	0 606	81 29	3 52E+00	4 81	
0 717	-0 609	0 0286	1 71660	0 609	81 29	3 54E+00	4 83	
0 733	-0 609	0 0289	1 73330	0 609	81 29	3 54E+00	4 83	
0 750	-0 609	0 0292	1 75000	0 609	81 29	3 54E+00	4 83	
0 767	-0 609	0 0294	1 76660	0 609	81 29	3 54E+00	4 83	
0 783	-0 609	0 0297	1 78330	0 609	81 29	3 54E+00	4 83	
0 800	-0 612	0 0300	1 80000	0 612	81 28	3 55E+00	4 84	
0 817	-0 612	0 0303	1 81660	0 612	81 28	3 55E+00	4 84	
0 833	-0 612	0 0306	1 83330	0 612	81 28	3 55E+00	4 84	
0 850	-0 612	0 0308	1 85000	0 612	81 28	3 55E+00	4 84	
0 867	-0 616	0 0311	1 86660	0 616	81 28	3 58E+00	4 87	
0 883	-0 616	0 0314	1 88330	0 616	81 28	3 58E+00	4 87	
0 900	-0 616	0 0317	1 90000	0 616	81 28	3 58E+00	4 87	
0 917	-0 616	0 0319	1 91660	0 616	81 28	3 58E+00	4 87	
0 933	-0 619	0 0322	1 93330	0 619	81 28	3 60E+00	4 88	
0 950	-0 619	0 0325	1 95000	0 619	81 28	3 60E+00	4 88	
0 967	-0 619	0 0328	1 96660	0 619	81 28	3 60E+00	4 88	
0 983	-0 619	0 0331	1 98330	0 619	81 28	3 60E+00	4 88	
1 000	-0 622	0 0333	2 00000	0 622	81 27	3 61E+00	4 90	
1 200	-0 631	0 0367	2 20000	0 631	81 26	3 66E+00	4 95	
1 400	-0 641	0 0400	2 40000	0 641	81 25	3 72E+00	5 01	
1 600	-0 650	0 0433	2 60000	0 650	81 24	3 78E+00	5 06	
1 800	-0 656	0 0467	2 80000	0 656	81 24	3 81E+00	5 10	
2,000	-0 666	0 0500	3 00000	0 666	81 23	3 87E+00	5 16	
2,200	-0 675	0 0533	3 20000	0 675	81 22	3 92E+00	5 21	
2,400	-0 685	0 0567	3 40000	0 685	81 21	3 98E+00	5 27	
2,600	-0 691	0 0600	3 60000	0 691	81 20	4 01E+00	5 30	
2,800	-0 700	0 0633	3 80000	0 700	81 19	4 07E+00	5 35	
3,000	-0 710	0 0667	4 00000	0 710	81 18	4 12E+00	5 41	
3,200	-0 716	0 0700	4 20000	0 716	81 18	4 16E+00	5 45	
3,400	-0 726	0 0733	4 40000	0 726	81 17	4 22E+00	5 51	
3,600	-0 735	0 0767	4 60000	0 735	81 16	4 27E+00	5 56	
3,800	-0 744	0 0800	4 80000	0 744	81 15	4 32E+00	5 61	
4,000	-0 751	0 0833	5 00000	0 751	81 14	4 36E+00	5 65	
4,200	-0 760	0 0867	5 20000	0 760	81 13	4 41E+00	5 70	
4,400	-0 766	0 0900	5 40000	0 766	81 13	4 45E+00	5 74	
4,600	-0 776	0 0933	5 60000	0 776	81 12	4 51E+00	5 80	
4,800	-0 785	0 0967	5 80000	0 785	81 11	4 56E+00	5 85	
5,000	-0 792	0 1000	6 00000	0 792	81 10	4 60E+00	5 89	
5,200	-0 801	0 1033	6 20000	0 801	81 09	4 65E+00	5 94	
5,400	-0 807	0 1067	6 40000	0 807	81 09	4 69E+00	5 98	
5,600	-0 817	0 1100	6 60000	0 817	81 08	4 74E+00	6 03	
5,800	-0 823	0 1133	6 80000	0 823	81 07	4 78E+00	6 07	
6,000	-0 832	0 1167	7 00000	0 832	81 06	4 83E+00	6 12	
6,200	-0 842	0 1200	7 20000	0 842	81 05	4 89E+00	6 18	
6,400	-0 848	0 1233	7 40000	0 848	81 05	4 92E+00	6 21	
6,600	0 858	0 1267	7 60000	0 858	81 04	4 98E+00	6 27	
6,800	-0 864	0 1300	7 80000	0 864	81 03	5 02E+00	6 31	
7,000	-0 870	0 1333	8 00000	0 870	81 02	5 05E+00	6 34	
7,200	-0 880	0 1367	8 20000	0 880	81 01	5 11E+00	6 40	
7,400	-0 886	0 1400	8 40000	0 886	81 01	5 15E+00	6 43	
7,600	-0 895	0 1433	8 60000	0 895	81 00	5 20E+00	6 49	
7,800	-0 902	0 1467	8 80000	0 902	80 99	5 24E+00	6 53	
8,000	-0 911	0 1500	9 00000	0 911	80 98	5 29E+00	6 58	
8,200	-0 917	0 1533	9 20000	0 917	80 98	5 33E+00	6 62	
8,400	-0 924	0 1567	9 40000	0 924	80 97	5 37E+00	6 66	
8,600	-0 933	0 1600	9 60000	0 933	80 96	5 42E+00	6 71	
8,800	-0 939	0 1633	9 80000	0 939	80 96	5 45E+00	6 74	
9,000	-0 946	0 1667	10 00000	0 946	80 95	5 49E+00	6 78	
9,200	-0 955	0 1700	10 20000	0 955	80 94	5 55E+00	6 84	

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	(liters)
9 400	-0 961	0 1733	10 40000	0 961	80 93	5 58E+00	6.87	
9 600	-0 968	0 1767	10 60000	0 968	80 93	5 62E+00	6.91	
9 800	-0 974	0 1800	10 80000	0 974	80 92	5 66E+00	6.95	
10 000	-0 983	0 1833	11 00000	0 983	80 91	5 71E+00	7.00	
12 000	-1 049	0 2167	13 00000	1 049	80 85	6 09E+00	7.38	
14 000	-1 115	0 2500	15 00000	1 115	80 78	6 48E+00	7.76	
16 000	-1 181	0 2833	17 00000	1 181	80 71	6 86E+00	8.15	
18 000	-1 241	0 3167	19 00000	1 241	80 65	7 21E+00	8.50	
20 000	-1 301	0 3500	21 00000	1 301	80 59	7 56E+00	8.85	
22 000	-1 357	0 3833	23 00000	1 357	80 54	7 88E+00	9.17	
24 000	-1 414	0 4167	25 00000	1 414	80 48	8 21E+00	9.50	
26 000	-1 467	0 4500	27 00000	1 467	80 43	8 52E+00	9.81	
28 000	-1 518	0 4833	29 00000	1 518	80 38	8 82E+00	10.11	
30 000	-1 568	0 5167	31 00000	1 568	80 33	9 11E+00	10.40	
32 000	-1 618	0 5500	33 00000	1 618	80 28	9 40E+00	10.69	
34 000	-1 665	0 5833	35 00000	1 665	80 23	9 67E+00	10.96	
36 000	-1 713	0 6167	37 00000	1 713	80 18	9 95E+00	11.24	
38 000	-1 757	0 6500	39 00000	1 757	80 14	1 02E+01	11.49	
40 000	-1 801	0 6833	41 00000	1 801	80 09	1 05E+01	11.75	
42 000	-1 845	0 7167	43 00000	1 845	80 05	1 07E+01	12.00	
44 000	-1 889	0 7500	45 00000	1 889	80 01	1 10E+01	12.26	
46 000	-1 929	0 7833	47 00000	1 929	79 97	1 12E+01	12.49	
48 000	-1 970	0 8167	49 00000	1 970	79 92	1 14E+01	12.73	
50 000	-2 011	0 8500	51 00000	2 011	79 88	1 17E+01	12.97	
52 000	-2 052	0 8833	53 00000	2 052	79 84	1 19E+01	13.21	
54 000	-2 093	0 9167	55 00000	2 093	79 80	1 22E+01	13.44	
56 000	-2 131	0 9500	57 00000	2.131	79 76	1 24E+01	13.67	
58 000	-2 168	0 9833	59 00000	2 168	79 73	1 26E+01	13.88	
60 000	-2 206	1 0167	61 00000	2 206	79 69	1 28E+01	14.10	
62 000	-2 244	1 0500	63 00000	2 244	79 65	1 30E+01	14.32	
64 000	-2 281	1 0833	65 00000	2 281	79 61	1 32E+01	14.54	
66 000	-2 316	1 1167	67 00000	2.316	79 58	1 35E+01	14.74	
68 000	-2 354	1 1500	69 00000	2 354	79 54	1 37E+01	14.96	
70 000	-2 388	1 1833	71 00000	2 388	79 51	1 39E+01	15.16	
72 000	-2 423	1 2167	73 00000	2 423	79 47	1 41E+01	15.36	
74 000	-2 457	1 2500	75 00000	2 457	79 44	1 43E+01	15.56	
76 000	-2 492	1 2833	77 00000	2 492	79 40	1 45E+01	15.76	
78 000	-2 527	1 3167	79 00000	2 527	79 37	1 47E+01	15.97	
80 000	-2 561	1 3500	81 00000	2 561	79 33	1 49E+01	16.16	
82 000	-2 596	1 3833	83 00000	2 596	79 30	1 51E+01	16.37	
84 000	-2 627	1 4167	85 00000	2 627	79 27	1 53E+01	16.55	
86 000	-2 662	1 4500	87 00000	2 662	79 23	1 55E+01	16.75	
88 000	-2 699	1 4833	89 00000	2 699	79 20	1 57E+01	16.96	
90 000	-2 718	1 5167	91 00000	2 718	79 18	1 58E+01	17.07	
92 000	-2 734	1 5500	93 00000	2 734	79 16	1 59E+01	17.17	
94 000	-2 747	1 5833	95 00000	2 747	79 15	1 60E+01	17.24	
96 000	-2 762	1 6167	97 00000	2.762	79 13	1 60E+01	17.33	
98 000	-2 775	1 6500	99 00000	2 775	79 12	1 61E+01	17.41	
100 000	-2 787	1 6833	101 00000	2 787	79 11	1 62E+01	17.48	
120 000	-2 879	2 0167	121 00000	2 879	79 02	1 67E+01	18.01	
140 000	-2 938	2 3500	141 00000	2.938	78 96	1 71E+01	18.35	
160 000	-2 995	2 6833	161 00000	2 995	78 90	1 74E+01	18.68	
180 000	-3 045	3 0167	181 00000	3 045	78 85	1 77E+01	18.97	
200 000	-3 092	3 3500	201 00000	3 092	78 80	1 80E+01	19.25	
220 000	-3 136	3 6833	221 00000	3 136	78 76	1 82E+01	19.50	
240 000	-3 180	4 0167	241 00000	3 180	78 71	1 85E+01	19.76	
260 000	-3 224	4 3500	261 00000	3 224	78 67	1 87E+01	20.01	
280 000	-3 268	4 6833	281 00000	3 268	78 63	1 90E+01	20.27	
300 000	-3 309	5 0167	301 00000	3 309	78 59	1 92E+01	20.51	
320 000	-3 350	5 3500	321 00000	3 350	78 54	1 95E+01	20.75	
340 000	-3 391	5 6833	341 00000	3 391	78 50	1 97E+01	20.98	
360 000	-3 429	6 0167	361 00000	3 429	78 47	1 99E+01	21.20	
380 000	-3 466	6 3500	381 00000	3 466	78 43	2 01E+01	21.42	
400 000	-3 501	6 6833	401 00000	3 501	78 39	2 03E+01	21.62	
420 000	-3 539	7 0167	421 00000	3 539	78 36	2 06E+01	21.84	
440 000	-3 567	7 3500	441 00000	3 567	78 33	2 07E+01	22.01	
460 000	-3 602	7 6833	461 00000	3 602	78 29	2 09E+01	22.21	
480 000	-3 633	8 0167	481 00000	3 633	78 26	2 11E+01	22.39	
500 000	-3 664	8 3500	501 00000	3 664	78 23	2.13E+01	22.57	
520 000	-3 696	8 6833	521 00000	3 696	78 20	2 15E+01	22.75	
540 000	-3 727	9 0167	541 00000	3 727	78 17	2 16E+01	22.93	
560 000	-3 759	9 3500	561 00000	3 759	78 14	2 18E+01	23.12	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
580 000	-3 787	9 6833	581 00000	3 787	78 11	2 20E+01	23 28	
600 000	-3 818	10 0167	601 00000	3 818	78 08	2 22E+01	23 46	
620 000	-3 850	10 3500	621 00000	3 850	78 04	2 24E+01	23 65	
640 000	-3 881	10 6833	641 00000	3 881	78 01	2 25E+01	23 83	
660 000	-3 916	11 0167	661 00000	3 916	77 98	2 27E+01	24 03	
680 000	-3 950	11 3500	681 00000	3 950	77 94	2 29E+01	24 23	
700 000	-3 985	11 6833	701 00000	3 985	77 91	2 31E+01	24 43	
720 000	-4 026	12 0167	721 00000	4 026	77 87	2 34E+01	24 67	
740 000	-4 067	12.3500	741 00000	4 067	77 83	2 36E+01	24 91	
760 000	-4 104	12.6833	761 00000	4 104	77 79	2 38E+01	25 12	
780 000	-4 142	13 0167	781 00000	4 142	77 75	2 41E+01	25 35	
800 000	-4 177	13 3500	801 00000	4 177	77 72	2 43E+01	25 55	
820 000	-4 214	13 6833	821 00000	4 214	77 68	2 45E+01	25 76	
840 000	-4 249	14 0167	841 00000	4 249	77 65	2 47E+01	25 97	
860 000	-4 287	14 3500	861 00000	4 287	77 61	2 49E+01	26 19	
880 000	-4 324	14 6833	881 00000	4 324	77 57	2 51E+01	26 40	
900 000	-4 362	15 0167	901 00000	4 362	77 53	2 53E+01	26 62	
920 000	-4 403	15 3500	921 00000	4 403	77 49	2 56E+01	26 86	
940 000	-4 441	15 6833	941 00000	4 441	77 45	2 58E+01	27 08	
960 000	-4 479	16 0167	961 00000	4 479	77 42	2 60E+01	27 30	
980 000	-4 516	16 3500	981 00000	4 516	77 38	2 62E+01	27 52	
1000 000	-4 548	16 6833	1001 00000	4 548	77 35	2 64E+01	27 70	
1200 000	-4 831	20 0167	1201 00000	4 831	77 06	2 81E+01	29 35	
1400 000	-5 073	23 3500	1401 00000	5 073	76 82	2 95E+01	30 75	
1600 000	-5 315	26 6833	1601 00000	5 315	76 58	3 09E+01	32 16	
1800 000	-5 525	30 0167	1801 00000	5 525	76 37	3 21E+01	33 38	
2000 000	-5 714	33 3500	2001 00000	5 714	76 18	3 32E+01	34 47	
2200 000	-5 915	36 6833	2201 00000	5 915	75 98	3 44E+01	35 64	
2400 000	-6 141	40 0167	2401 00000	6 141	75 75	3 57E+01	36 95	
2600 000	-6 320	43 3500	2601 00000	6 320	75 57	3 67E+01	37 99	
2800 000	-6 471	46 6833	2801 00000	6 471	75 42	3 76E+01	38 87	
3000 000	-6 619	50 0167	3001 00000	6 619	75 28	3 84E+01	39 73	
3200 000	-6 751	53 3500	3201 00000	6 751	75 14	3 92E+01	40 50	
3400 000	-6 889	56 6833	3401 00000	6 889	75 01	4 00E+01	41 30	
3600 000	-7 006	60 0167	3601 00000	7 006	74 89	4 07E+01	41 98	
3800 000	-7 131	63 3500	3801 00000	7 131	74 76	4 14E+01	42 70	
4000 000	-7 248	66 6833	4001 00000	7 248	74 65	4 21E+01	43 38	
4200 000	-7 351	70 0167	4201 00000	7 351	74 54	4 27E+01	43 98	
4400 000	-7 449	73 3500	4401 00000	7 449	74 45	4 33E+01	44 55	
4600 000	-7 543	76 6833	4601 00000	7 543	74 35	4 38E+01	45 10	
4800 000	-7 637	80 0167	4801 00000	7 637	74 26	4 44E+01	45 64	
5000 000	-7 719	83 3500	5001 00000	7 719	74 18	4 48E+01	46 12	
5200 000	-7 798	86 6833	5201 00000	7 798	74 10	4 53E+01	46 58	
5400 000	-7 870	90 0167	5401 00000	7 870	74 02	4 57E+01	47 00	
5600 000	-7 930	93 3500	5601 00000	7 930	73 96	4 61E+01	47 34	
5800 000	-7 986	96 6833	5801 00000	7 986	73 91	4 64E+01	47 67	
6000 000	-8 046	100 0167	6001 00000	8 046	73 85	4 67E+01	48 02	
6200 000	-8 106	103 3500	6201 00000	8 106	73 79	4 71E+01	48 37	
6400 000	-8 159	106 6833	6401 00000	8 159	73 74	4 74E+01	48 67	
6600 000	-8 206	110 0167	6601 00000	8 206	73 69	4 77E+01	48 95	
6800 000	-8 253	113 3500	6801 00000	8 253	73 64	4 79E+01	49 22	
7000 000	-8 294	116 6833	7001 00000	8 294	73 60	4 82E+01	49 46	
7200 000	-8 335	120 0167	7201 00000	8 335	73 56	4 84E+01	49 70	
7400 000	-8 376	123 3500	7401 00000	8 376	73 52	4 86E+01	49 94	
7600 000	-8 417	126 6833	7601 00000	8 417	73 48	4 89E+01	50 17	
7800 000	-8 455	130 0167	7801 00000	8 455	73 44	4 91E+01	50 39	
8000 000	-8 489	133 3500	8001 00000	8 489	73 41	4 93E+01	50 59	
8200 000	-8 527	136 6833	8201 00000	8 527	73 37	4 95E+01	50 81	
8400 000	-8 558	140 0167	8401 00000	8 558	73 34	4 97E+01	50 99	
8600 000	-8 583	143 3500	8601 00000	8 583	73 31	4 98E+01	51 14	
8800 000	-8 609	146 6833	8801 00000	8 609	73 29	5 00E+01	51 29	
9000 000	-8 637	150 0167	9001 00000	8 637	73 26	5 02E+01	51 45	
9200 000	-8 665	153 3500	9201 00000	8 665	73 23	5 03E+01	51 61	
9400 000	-8 684	156 6833	9401 00000	8 684	73 21	5 04E+01	51 72	
9600 000	-8 712	160 0167	9601 00000	8 712	73 18	5 06E+01	51 89	
9800 000	-8 737	163 3500	9801 00000	8 737	73 16	5 07E+01	52 03	
10000 000	-8 756	166 6833	10001 00000	8 756	73 14	5 09E+01	52 14	
11440 000	-8 917	190 6833	11441 00000	8 917	72 98	5 18E+01	53 08	
12880 000	-8 998	214 6833	12881 00000	8 998	72 90	5 23E+01	53 55	
14320 000	-9 067	238 6833	14321 00000	9 067	72 83	5 27E+01	53 95	
15760 000	-9 124	262 6833	15761 00000	9 124	72 77	5 30E+01	54 28	
17200 000	9 152	286 6833	17201 00000	9 152	72 74	5 32E+01	54 44	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
18640 000	-9 177	310 6833	18641 00000	9 177	72 72		5 33E+01	54 59
20080 000	-9 193	334 6833	20081 00000	9 193	72 70		5 34E+01	54 68
21520 000	-9 228	358 6833	21521 00000	9 228	72 67		5 36E+01	54 88
22960 000	-9 247	382 6833	22961 00000	9 247	72 65		5 37E+01	54 99
24400 000	-9 193	406 6833	24401 00000	9 193	72 70		5 34E+01	54 68
25840 000	-9 184	430 6833	25841 00000	9 184	72 71		5 33E+01	54 63

Well No. 46792

Measured recovery after sampling

Date: 18-Aug-94

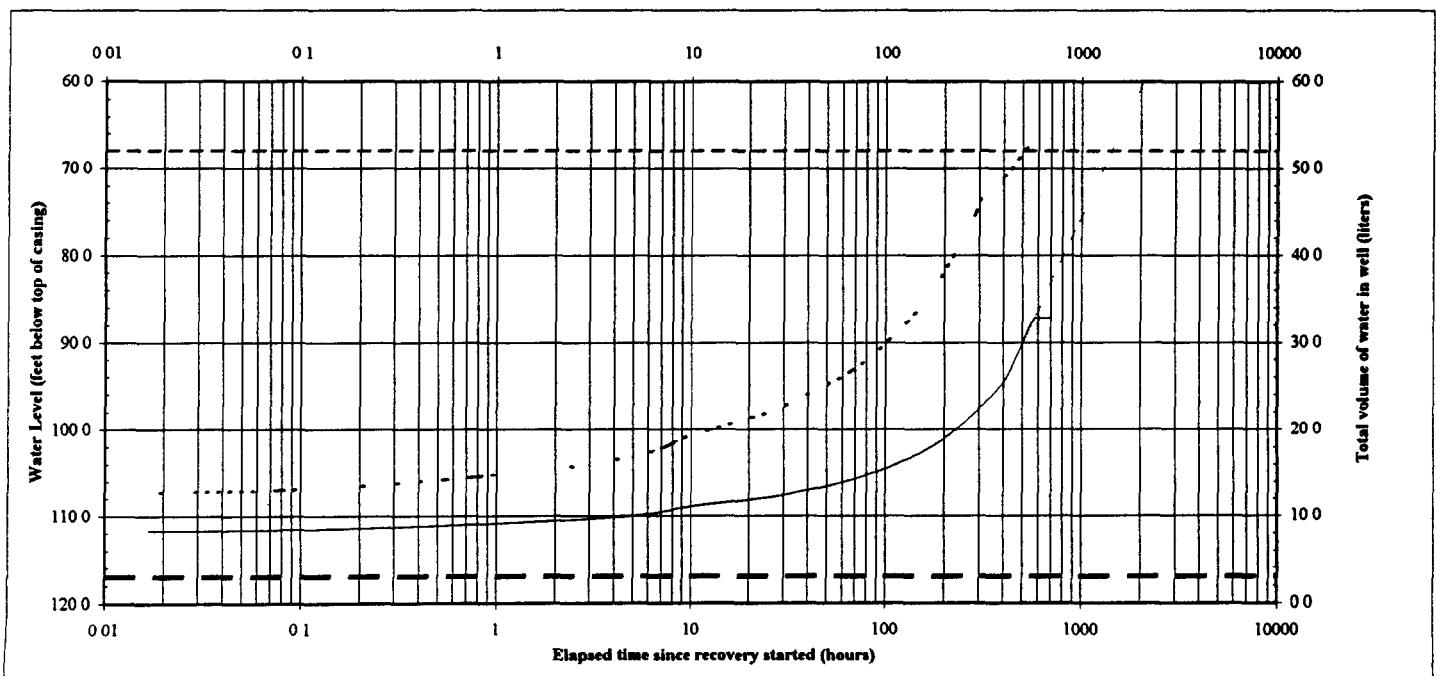
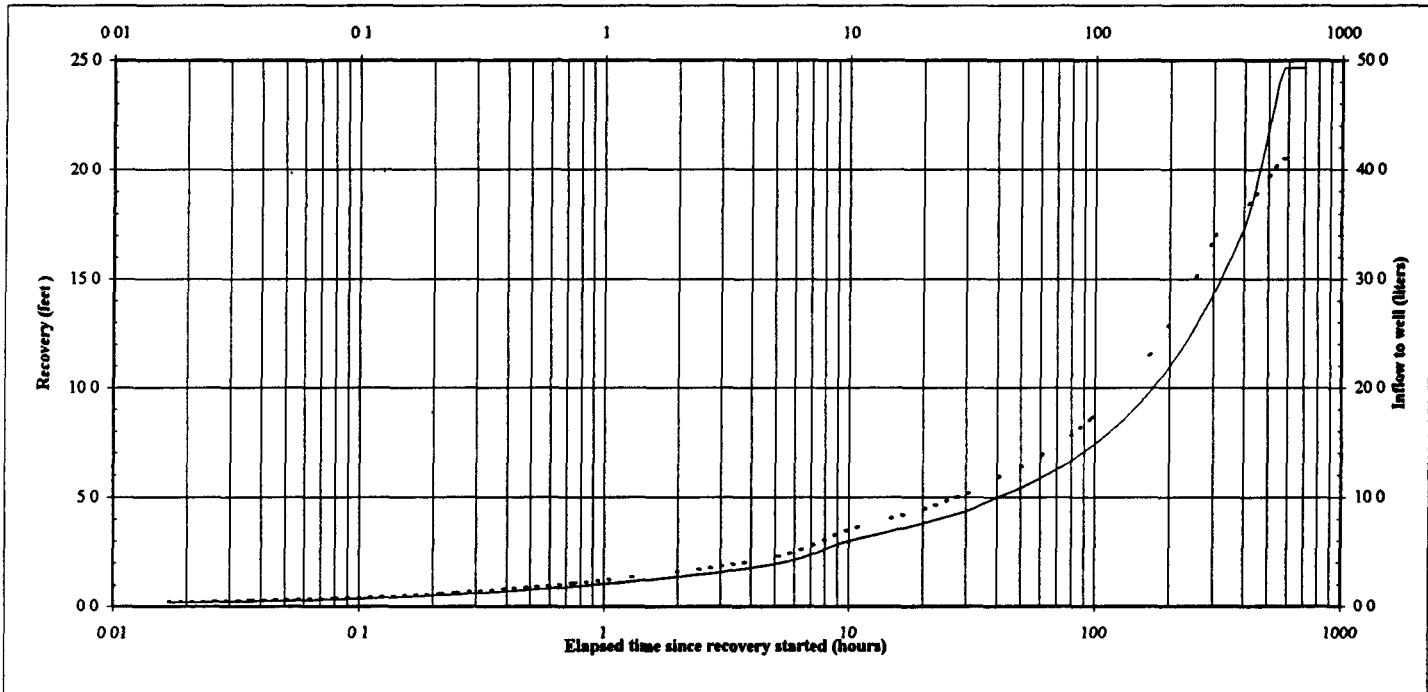
3rd quarter 1994

Water Level

Volume

Extrapolation to 100% recovery

Pre-sampling
 Static Water Level
 Bottom of well



Well No.

46792

Date Sampled

3rd quarter

18 Aug 94

	10.33		1 00	Minutes
Final ball time	10.34			
Set transducer time		Delay		
Static water level (pre-sampling)	68.0	feet below top of casing		
Final water level (post-recovery)	87.3	feet below top of casing		
Last recorded water level	44.7	feet below transducer		
Transducer reference depth	111.9	feet below top of casing		
Bottom of well	117.0	feet below top of casing		
First recorded water level	-0.2	feet below transducer		
First recorded water level	111.7	feet below top of casing		
Water column remaining in casing after purging	5.3	feet		
Volume remaining in casing after purging	12.4	liters		
Well diameter	6.0	inches	0.500	feet
Well radius	3.0	inches	0.250	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	1.9	inches	0.162	feet
Top of sandpack	97.0	feet below top of casing		
			0.62	liters/foot
			2.35	liters/foot

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)		final ball (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 000	-0.196	0 0167		1 00000	0.196	111 73		
0 003	-0.196	0 0167		1 00330	0.196	111 73	4.60E-01	12.81
0 007	-0.193	0 0168		1 00660	0.193	111 73	4.53E-01	12.80
0 010	-0.193	0 0168		1 01000	0.193	111 73	4.53E-01	12.80
0 013	-0.193	0 0169		1 01330	0.193	111 73	4.53E-01	12.80
0 017	-0.193	0 0169		1 01660	0.193	111 73	4.53E-01	12.80
0 020	-0.193	0 0170		1 02000	0.193	111 73	4.53E-01	12.80
0 023	-0.193	0 0171		1 02330	0.193	111 73	4.53E-01	12.80
0 027	-0.193	0 0171		1 02660	0.193	111 73	4.53E-01	12.80
0 030	-0.193	0 0172		1 03000	0.193	111 73	4.53E-01	12.80
0 033	-0.193	0 0172		1 03330	0.193	111 73	4.53E-01	12.80
0 037	-0.193	0 0173		1 03660	0.193	111 73	4.53E-01	12.80
0 040	-0.193	0 0173		1 04000	0.193	111 73	4.53E-01	12.80
0 043	-0.193	0 0174		1 04330	0.193	111 73	4.53E-01	12.80
0 047	-0.193	0 0174		1 04660	0.193	111 73	4.53E-01	12.80
0 050	-0.193	0 0175		1 05000	0.193	111 73	4.53E-01	12.80
0 053	-0.193	0 0176		1 05330	0.193	111 73	4.53E-01	12.80
0 057	-0.193	0 0176		1 05660	0.193	111 73	4.53E-01	12.80
0 060	-0.193	0 0177		1 06000	0.193	111 73	4.53E-01	12.80
0 063	-0.193	0 0177		1 06330	0.193	111 73	4.53E-01	12.80
0 067	-0.193	0 0178		1 06660	0.193	111 73	4.53E-01	12.80
0 070	-0.193	0 0178		1 07000	0.193	111 73	4.53E-01	12.80
0 073	-0.193	0 0179		1 07330	0.193	111 73	4.53E-01	12.80
0 077	-0.193	0 0179		1 07660	0.193	111 73	4.53E-01	12.80
0 080	-0.193	0 0180		1 08000	0.193	111 73	4.53E-01	12.80
0 083	-0.193	0 0181		1 08330	0.193	111 73	4.53E-01	12.80
0 087	-0.196	0 0181		1 08660	0.196	111 73	4.60E-01	12.81
0 090	-0.196	0 0182		1 09000	0.196	111 73	4.60E-01	12.81
0 093	-0.196	0 0182		1 09330	0.196	111 73	4.60E-01	12.81
0 097	-0.193	0 0183		1 09660	0.193	111 73	4.53E-01	12.80
0 100	-0.193	0 0183		1 10000	0.193	111 73	4.53E-01	12.80
0 103	-0.196	0 0184		1 10330	0.196	111 73	4.60E-01	12.81
0 107	-0.196	0 0184		1 10660	0.196	111 73	4.60E-01	12.81
0 110	-0.196	0 0185		1 11000	0.196	111 73	4.60E-01	12.81
0 113	-0.196	0 0186		1 11330	0.196	111 73	4.60E-01	12.81
0 117	-0.196	0 0186		1 11660	0.196	111 73	4.60E-01	12.81
0 120	-0.193	0 0187		1 12000	0.193	111 73	4.53E-01	12.80
0 123	-0.193	0 0187		1 12330	0.193	111 73	4.53E-01	12.80

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 127	-0 196	0 0188	1 12660	0 196	111 73	4 60E-01	12 81	
0 130	-0 193	0 0188	1 13000	0 193	111 73	4 53E-01	12 80	
0 133	-0 193	0 0189	1 13330	0 193	111 73	4 53E-01	12 80	
0 137	-0 196	0 0189	1 13660	0 196	111 73	4 60E-01	12.81	
0 140	-0 193	0 0190	1 14000	0 193	111 73	4 53E-01	12 80	
0 143	-0 193	0 0191	1 14330	0 193	111 73	4 53E-01	12 80	
0 147	-0 196	0 0191	1 14660	0 196	111 73	4 60E-01	12.81	
0 150	-0 196	0 0192	1 15000	0 196	111 73	4 60E-01	12 81	
0 153	-0 193	0 0192	1 15330	0 193	111 73	4 53E-01	12 80	
0 157	-0 196	0 0193	1 15660	0 196	111 73	4 60E-01	12 81	
0 160	-0 196	0 0193	1 16000	0 196	111 73	4 60E-01	12 81	
0 163	-0 196	0 0194	1 16330	0 196	111 73	4 60E-01	12 81	
0 167	-0 196	0 0194	1 16660	0 196	111 73	4 60E-01	12 81	
0 170	-0 196	0 0195	1 17000	0 196	111 73	4 60E-01	12.81	
0 173	-0 196	0 0196	1 17330	0 196	111 73	4 60E-01	12 81	
0 177	-0 196	0 0196	1 17660	0 196	111 73	4 60E-01	12 81	
0 180	-0 196	0 0197	1 18000	0 196	111 73	4 60E-01	12 81	
0 183	-0 196	0 0197	1 18330	0 196	111 73	4 60E-01	12 81	
0 187	-0 196	0 0198	1 18660	0 196	111 73	4 60E-01	12 81	
0 190	-0 196	0 0198	1 19000	0 196	111 73	4 60E-01	12.81	
0 193	-0 196	0 0199	1 19330	0 196	111 73	4 60E-01	12.81	
0 197	-0 196	0 0199	1 19660	0 196	111 73	4 60E-01	12.81	
0 200	-0 196	0 0200	1 20000	0 196	111 73	4 60E-01	12 81	
0 203	-0 199	0 0201	1 20330	0 199	111 73	4 67E-01	12 82	
0 207	-0 196	0 0201	1 20660	0 196	111 73	4 60E-01	12 81	
0 210	-0 196	0 0202	1 21000	0 196	111 73	4 60E-01	12 81	
0 213	-0 199	0 0202	1 21330	0 199	111 73	4 67E-01	12 82	
0 217	-0 199	0 0203	1 21660	0 199	111 73	4 67E-01	12 82	
0 220	-0 199	0 0203	1 22000	0 199	111 73	4 67E-01	12 82	
0 223	-0 199	0 0204	1 22330	0 199	111 73	4 67E-01	12 82	
0 227	-0 199	0 0204	1 22660	0 199	111 73	4 67E-01	12.82	
0 230	-0 199	0 0205	1 23000	0 199	111 73	4 67E-01	12 82	
0 233	-0 199	0 0206	1 23330	0 199	111 73	4 67E-01	12 82	
0 237	-0 199	0 0206	1 23660	0 199	111 73	4 67E-01	12 82	
0 240	-0 199	0 0207	1 24000	0 199	111 73	4 67E-01	12 82	
0 243	-0 199	0 0207	1 24330	0 199	111 73	4 67E-01	12 82	
0 247	-0 199	0 0208	1 24660	0 199	111 73	4 67E-01	12 82	
0 250	-0 199	0 0208	1 25000	0 199	111 73	4 67E-01	12 82	
0 253	-0 199	0 0209	1 25330	0 199	111 73	4 67E-01	12 82	
0 257	-0 199	0 0209	1 25660	0 199	111 73	4 67E-01	12 82	
0 260	-0 199	0 0210	1 26000	0 199	111 73	4 67E-01	12 82	
0 263	-0 199	0 0211	1 26330	0 199	111 73	4 67E-01	12 82	
0 267	-0 199	0 0211	1 26660	0 199	111 73	4 67E-01	12.82	
0 270	-0 199	0 0212	1 27000	0 199	111 73	4 67E-01	12 82	
0 273	-0 199	0 0212	1 27330	0 199	111 73	4 67E-01	12 82	
0 277	-0 199	0 0213	1 27660	0 199	111 73	4 67E-01	12 82	
0 280	-0 199	0 0213	1 28000	0 199	111 73	4 67E-01	12 82	
0 283	-0 199	0 0214	1 28330	0 199	111 73	4 67E-01	12 82	
0 287	-0 199	0 0214	1 28660	0 199	111 73	4 67E-01	12 82	
0 290	-0 199	0 0215	1 29000	0 199	111 73	4 67E-01	12 82	
0 293	-0 203	0 0216	1 29330	0 203	111 72	4 77E-01	12 83	
0 297	-0 203	0 0216	1 29660	0 203	111 72	4 77E-01	12 83	
0 300	-0 203	0 0217	1 30000	0 203	111 72	4 77E-01	12 83	
0 303	-0 203	0 0217	1 30330	0 203	111 72	4 77E-01	12 83	
0 307	-0 203	0 0218	1 30660	0 203	111 72	4 77E-01	12 83	
0 310	-0 203	0 0218	1 31000	0 203	111 72	4 77E-01	12 83	
0 313	-0 203	0 0219	1 31330	0 203	111 72	4 77E-01	12 83	
0 317	-0 203	0 0219	1 31660	0 203	111 72	4 77E-01	12.83	
0 320	-0 203	0 0220	1 32000	0 203	111 72	4 77E-01	12 83	
0 323	-0 203	0 0221	1 32330	0 203	111 72	4 77E-01	12 83	
0 327	-0 203	0 0221	1 32660	0 203	111 72	4 77E-01	12 83	
0 330	-0 203	0 0222	1 33000	0 203	111 72	4 77E-01	12 83	
0 333	-0 203	0 0222	1 33330	0 203	111 72	4 77E-01	12 83	
0 350	-0 206	0 0225	1 35000	0 206	111 72	4 84E-01	12 84	
0 367	-0 206	0 0228	1 36660	0 206	111 72	4 84E-01	12 84	
0 383	-0 206	0 0231	1 38330	0 206	111 72	4 84E-01	12 84	
0 400	-0 206	0 0233	1 40000	0 206	111 72	4 84E-01	12 84	
0 417	-0 206	0 0236	1 41660	0 206	111 72	4 84E-01	12 84	
0 433	-0 209	0 0239	1 43330	0 209	111 72	4 91E-01	12 84	
0 450	-0 206	0 0242	1 45000	0 206	111 72	4 84E-01	12 84	
0 467	-0 209	0 0244	1 46660	0 209	111 72	4 91E-01	12 84	
0 483	-0 212	0 0247	1 48330	0 212	111 71	4 98E-01	12.85	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 500	-0 212	0 0250	1 50000	0 212	111 71	4 98E-01	12 85	
0 517	-0 212	0 0253	1 51660	0 212	111 71	4 98E-01	12 85	
0 533	-0 215	0 0256	1 53330	0 215	111 71	5 05E-01	12 86	
0 550	-0 215	0 0258	1 55000	0 215	111 71	5 05E-01	12 86	
0 567	-0 215	0 0261	1 56660	0 215	111 71	5 05E-01	12 86	
0 583	-0 215	0 0264	1 58330	0 215	111 71	5 05E-01	12 86	
0 600	-0 215	0 0267	1 60000	0 215	111 71	5 05E-01	12 86	
0 617	-0 218	0 0269	1 61660	0 218	111 71	5 12E-01	12 86	
0 633	-0 218	0 0272	1 63330	0 218	111 71	5 12E-01	12 86	
0 650	-0 218	0 0275	1 65000	0 218	111 71	5 12E-01	12 86	
0 667	-0 218	0 0278	1 66660	0 218	111 71	5 12E-01	12 86	
0 683	-0 218	0 0281	1 68330	0 218	111 71	5 12E-01	12 86	
0 700	-0 222	0 0283	1 70000	0 222	111 70	5 21E-01	12 87	
0 717	-0 222	0 0286	1 71660	0 222	111 70	5 21E-01	12 87	
0 733	-0 222	0 0289	1 73330	0 222	111 70	5 21E-01	12 87	
0 750	-0 222	0 0292	1 75000	0 222	111 70	5 21E-01	12 87	
0 767	-0 222	0 0294	1 76660	0 222	111 70	5 21E-01	12 87	
0 783	-0 222	0 0297	1 78330	0 222	111 70	5 21E-01	12 87	
0 800	-0 225	0 0300	1 80000	0 225	111 70	5 28E-01	12 88	
0 817	-0 225	0 0303	1 81660	0 225	111 70	5 28E-01	12 88	
0 833	-0 225	0 0306	1 83330	0 225	111 70	5 28E-01	12 88	
0 850	-0 225	0 0308	1 85000	0 225	111 70	5 28E-01	12 88	
0 867	-0 225	0 0311	1 86660	0 225	111 70	5 28E-01	12 88	
0 883	-0 228	0 0314	1 88330	0 228	111 70	5 35E-01	12 89	
0 900	-0 228	0 0317	1 90000	0 228	111 70	5 35E-01	12 89	
0 917	-0 228	0 0319	1 91660	0 228	111 70	5 35E-01	12 89	
0 933	-0 228	0 0322	1 93330	0 228	111 70	5 35E-01	12 89	
0 950	-0 228	0 0325	1 95000	0 228	111 70	5 35E-01	12 89	
0 967	-0 228	0 0328	1 96660	0 228	111 70	5 35E-01	12 89	
0 983	-0 231	0 0331	1 98330	0 231	111 69	5 42E-01	12 89	
1 000	-0 231	0 0333	2 00000	0 231	111 69	5 42E-01	12 89	
1 200	-0 237	0 0367	2 20000	0 237	111 69	5 56E-01	12 91	
1 400	-0 244	0 0400	2 40000	0 244	111 68	5 73E-01	12 92	
1 600	-0 250	0 0433	2 60000	0 250	111 68	5 87E-01	12 94	
1 800	-0 257	0 0467	2 80000	0 257	111 67	6 03E-01	12 96	
2 000	-0 263	0 0500	3 00000	0 263	111 66	6 17E-01	12 97	
2 200	-0 269	0 0533	3 20000	0 269	111 66	6 32E-01	12 98	
2 400	-0 276	0 0567	3 40000	0 276	111 65	6 48E-01	13 00	
2 600	-0 282	0 0600	3 60000	0 282	111 64	6 62E-01	13 01	
2 800	-0 288	0 0633	3 80000	0 288	111 64	6 76E-01	13 03	
3 000	-0 291	0 0667	4 00000	0 291	111 63	6 83E-01	13 04	
3 200	-0 301	0 0700	4 20000	0 301	111 62	7 07E-01	13 06	
3 400	-0 304	0 0733	4 40000	0 304	111 62	7 14E-01	13 07	
3 600	-0 310	0 0767	4 60000	0 310	111 62	7 28E-01	13 08	
3 800	-0 317	0 0800	4 80000	0 317	111 61	7 44E-01	13 10	
4 000	-0 323	0 0833	5 00000	0 323	111 60	7 58E-01	13 11	
4 200	-0 326	0 0867	5 20000	0 326	111 60	7 65E-01	13 12	
4 400	-0 333	0 0900	5 40000	0 333	111 59	7 82E-01	13 13	
4 600	-0 339	0 0933	5 60000	0 339	111 59	7 96E-01	13 15	
4 800	-0 345	0 0967	5 80000	0 345	111 58	8 10E-01	13 16	
5 000	-0 352	0 1000	6 00000	0 352	111 57	8 26E-01	13 18	
5 200	-0 355	0 1033	6 20000	0 355	111 57	8 33E-01	13 19	
5 400	-0 361	0 1067	6 40000	0 361	111 56	8 48E-01	13 20	
5 600	-0 364	0 1100	6 60000	0 364	111 56	8 55E-01	13 21	
5 800	-0 368	0 1133	6 80000	0 368	111 56	8 64E-01	13 22	
6 000	-0 374	0 1167	7 00000	0 374	111 55	8 78E-01	13 23	
6 200	-0 380	0 1200	7 20000	0 380	111 55	8 92E-01	13 24	
6 400	-0 387	0 1233	7 40000	0 387	111 54	9 09E-01	13 26	
6 600	-0 390	0 1267	7 60000	0 390	111 54	9 16E-01	13 27	
6 800	-0 396	0 1300	7 80000	0 396	111 53	9 30E-01	13 28	
7 000	-0 399	0 1333	8 00000	0 399	111 53	9 37E-01	13 29	
7 200	-0 406	0 1367	8 20000	0 406	111 52	9 53E-01	13 31	
7 400	-0 409	0 1400	8 40000	0 409	111 52	9 60E-01	13 31	
7 600	-0 415	0 1433	8 60000	0 415	111 51	9 74E-01	13 33	
7 800	-0 421	0 1467	8 80000	0 421	111 50	9 88E-01	13 34	
8 000	-0 425	0 1500	9 00000	0 425	111 50	9 98E-01	13 35	
8 200	-0 428	0 1533	9 20000	0 428	111 50	1 00E+00	13 36	
8 400	-0 434	0 1567	9 40000	0 434	111 49	1 02E+00	13 37	
8 600	-0 441	0 1600	9 60000	0 441	111 48	1 04E+00	13 39	
8 800	-0 444	0 1633	9 80000	0 444	111 48	1 04E+00	13 39	
9 000	-0 447	0 1667	10 00000	0 447	111 48	1 05E+00	13 40	
9 200	-0 453	0 1700	10 20000	0 453	111 47	1 06E+00	13 42	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
	(minutes)	(feet)	(hours)					
9 400	-0 456	0 1733		10 40000	0 456	111 47	1 07E+00	13 42
9 600	-0 463	0 1767		10 60000	0 463	111 46	1 09E+00	13 44
9 800	-0 466	0 1800		10 80000	0 466	111 46	1 09E+00	13 45
10 000	-0 472	0 1833		11 00000	0 472	111 45	1 11E+00	13 46
12 000	-0 510	0 2167		13 00000	0 510	111 42	1 20E+00	13 55
14 000	-0 552	0 2500		15 00000	0 552	111 37	1 30E+00	13 65
16 000	-0 602	0 2833		17 00000	0 602	111 32	1 41E+00	13 77
18 000	-0 634	0 3167		19 00000	0 634	111 29	1 49E+00	13 84
20 000	-0 666	0 3500		21 00000	0 666	111 26	1 56E+00	13 92
22 000	-0 694	0 3833		23 00000	0 694	111 23	1 63E+00	13 98
24 000	-0 720	0 4167		25 00000	0 720	111 21	1 69E+00	14 04
26 000	-0 745	0 4500		27 00000	0 745	111 18	1 75E+00	14 10
28 000	-0 770	0 4833		29 00000	0 770	111 16	1 81E+00	14 16
30 000	-0 793	0 5167		31 00000	0 793	111 13	1 86E+00	14 21
32 000	-0 818	0 5500		33 00000	0 818	111 11	1 92E+00	14 27
34 000	-0 837	0 5833		35 00000	0 837	111 09	1 97E+00	14 32
36 000	-0 859	0 6167		37 00000	0 859	111 07	2 02E+00	14 37
38 000	-0 878	0 6500		39 00000	0 878	111 05	2 06E+00	14 41
40 000	-0 897	0 6833		41 00000	0 897	111 03	2 11E+00	14 46
42 000	-0 916	0 7167		43 00000	0 916	111 01	2 15E+00	14 50
44 000	-0 935	0 7500		45 00000	0 935	110 99	2 20E+00	14 55
46 000	-0 951	0 7833		47 00000	0 951	110 97	2 23E+00	14 58
48 000	-0 967	0 8167		49 00000	0 967	110 96	2 27E+00	14 62
50 000	-0 983	0 8500		51 00000	0 983	110 94	2 31E+00	14 66
52 000	-0 999	0 8833		53 00000	0 999	110 93	2 35E+00	14 70
54 000	-1 015	0 9167		55 00000	1 015	110 91	2 38E+00	14 73
56 000	-1 031	0 9500		57 00000	1 031	110 89	2 42E+00	14 77
58 000	-1 043	0 9833		59 00000	1 043	110 88	2 45E+00	14 80
60 000	-1 059	1 0167		61 00000	1 059	110 87	2 49E+00	14 84
62 000	-1 072	1 0500		63 00000	1 072	110 85	2 52E+00	14 87
64 000	-1 085	1 0833		65 00000	1 085	110 84	2 55E+00	14 90
66 000	-1 097	1 1167		67 00000	1 097	110 83	2 58E+00	14 93
68 000	-1 110	1 1500		69 00000	1 110	110 82	2 61E+00	14 96
70 000	-1 123	1 1833		71 00000	1 123	110 80	2 64E+00	14 99
72 000	-1 135	1 2167		73 00000	1 135	110 79	2 66E+00	15 02
74 000	-1 145	1 2500		75 00000	1 145	110 78	2 69E+00	15 04
76 000	-1 158	1 2833		77 00000	1 158	110 77	2 72E+00	15 07
78 000	-1 167	1 3167		79 00000	1 167	110 76	2 74E+00	15 09
80 000	-1 180	1 3500		81 00000	1 180	110 75	2 77E+00	15 12
82 000	-1 189	1 3833		83 00000	1 189	110 74	2 79E+00	15 14
84 000	-1 202	1 4167		85 00000	1 202	110 72	2 82E+00	15 17
86 000	-1 212	1 4500		87 00000	1 212	110 71	2 85E+00	15 20
88 000	-1 221	1 4833		89 00000	1 221	110 70	2 87E+00	15 22
90 000	-1 231	1 5167		91 00000	1 231	110 69	2 89E+00	15 24
92 000	-1 240	1 5500		93 00000	1 240	110 69	2 91E+00	15 26
94 000	-1 253	1 5833		95 00000	1 253	110 67	2 94E+00	15 29
96 000	-1 259	1 6167		97 00000	1 259	110 67	2 96E+00	15 31
98 000	-1 272	1 6500		99 00000	1 272	110 65	2 99E+00	15 34
100 000	-1 281	1 6833		101 00000	1 281	110 64	3 01E+00	15 36
120 000	-1 367	2 0167		121 00000	1 367	110 56	3 21E+00	15 56
140 000	-1 443	2 3500		141 00000	1 443	110 48	3 39E+00	15 74
160 000	-1 513	2.6833		161 00000	1 513	110 41	3 55E+00	15 90
180 000	-1 580	3 0167		181 00000	1 580	110 35	3 71E+00	16 06
200 000	-1 643	3 3500		201 00000	1 643	110 28	3 86E+00	16 21
220 000	-1 703	3 6833		221 00000	1 703	110 22	4 00E+00	16 35
240 000	-1 764	4 0167		241 00000	1 764	110 16	4 14E+00	16 49
260 000	-1 821	4 3500		261 00000	1 821	110 10	4 28E+00	16 63
280 000	-1 881	4 6833		281 00000	1 881	110 04	4 42E+00	16 77
300 000	-1 941	5 0167		301 00000	1 941	109 98	4 56E+00	16 91
320 000	-2 002	5 3500		321 00000	2 002	109 92	4 70E+00	17 05
340 000	-2 065	5 6833		341 00000	2 065	109 86	4 85E+00	17 20
360 000	-2 135	6 0167		361 00000	2 135	109 79	5 01E+00	17 36
380 000	-2 208	6 3500		381 00000	2 208	109 72	5 18E+00	17 54
400 000	-2 284	6 6833		401 00000	2 284	109 64	5 36E+00	17 71
420 000	-2 366	7 0167		421 00000	2 366	109 56	5 55E+00	17 91
440 000	-2 449	7 3500		441 00000	2 449	109 48	5 75E+00	18 10
460 000	-2 535	7 6833		461 00000	2 535	109 39	5 95E+00	18 30
480 000	-2 617	8 0167		481 00000	2 617	109 31	6 14E+00	18 50
500 000	-2 700	8 3500		501 00000	2 700	109 23	6 34E+00	18 69
520 000	-2 782	8 6833		521 00000	2 782	109 14	6 53E+00	18 88
540 000	-2 849	9 0167		541 00000	2 849	109 08	6 69E+00	19 04
560 000	-2 909	9 3500		561 00000	2 909	109 02	6 83E+00	19 18

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)		
580 000	580 000	-2.963	9 6833	581 00000	2 963	108 96	6 96E+00	19 31
600 000	600 000	-3 007	10 0167	601 00000	3 007	108 92	7 06E+00	19 41
620 000	620 000	-3 049	10 3500	621 00000	3 049	108 88	7 16E+00	19 51
640 000	640 000	-3 087	10 6833	641 00000	3 087	108 84	7 25E+00	19 60
660 000	660 000	-3 122	11 0167	661 00000	3 122	108 80	7 33E+00	19 68
680 000	680 000	-3 153	11 3500	681 00000	3 153	108 77	7 40E+00	19 75
700 000	700 000	-3 188	11 6833	701 00000	3 188	108 74	7 48E+00	19 84
720 000	720 000	-3 214	12 0167	721 00000	3 214	108 71	7 55E+00	19 90
740 000	740 000	-3 248	12 3500	741 00000	3 248	108 68	7 63E+00	19 98
760 000	760 000	-3 277	12.6833	761 00000	3 277	108 65	7 69E+00	20 05
780 000	780 000	-3 306	13 0167	781 00000	3 306	108 62	7 76E+00	20 11
800 000	800 000	-3 334	13 3500	801 00000	3 334	108 59	7 83E+00	20 18
820 000	820 000	-3 363	13 6833	821 00000	3 363	108 56	7 90E+00	20 25
840 000	840 000	-3 391	14 0167	841 00000	3 391	108 53	7 96E+00	20 31
860 000	860 000	-3 420	14 3500	861 00000	3 420	108 51	8 03E+00	20 38
880 000	880 000	-3 448	14 6833	881 00000	3 448	108 48	8 10E+00	20 45
900 000	900 000	-3 474	15 0167	901 00000	3 474	108 45	8 16E+00	20 51
920 000	920 000	-3 502	15 3500	921 00000	3 502	108 42	8 22E+00	20 57
940 000	940 000	-3 524	15 6833	941 00000	3 524	108 40	8 27E+00	20 63
960 000	960 000	-3 550	16 0167	961 00000	3 550	108 38	8 33E+00	20 69
980 000	980 000	-3 575	16 3500	981 00000	3 575	108 35	8 39E+00	20 75
1000 000	1000 000	-3 597	16 6833	1001 00000	3 597	108 33	8 45E+00	20 80
1200 000	1200 000	-3 816	20 0167	1201 00000	3 816	108 11	8 96E+00	21 31
1400 000	1400 000	-4 010	23 3500	1401 00000	4 010	107 92	9 41E+00	21 77
1600 000	1600 000	-4 194	26 6833	1601 00000	4 194	107 73	9 85E+00	22 20
1800 000	1800 000	-4 372	30 0167	1801 00000	4 372	107 55	1 03E+01	22 62
2000 000	2000 000	-4 575	33 3500	2001 00000	4 575	107 35	1 07E+01	23 09
2200 000	2200 000	-4 790	36 6833	2201 00000	4 790	107 14	1 12E+01	23 60
2400 000	2400 000	-4 984	40 0167	2401 00000	4 984	106 94	1 17E+01	24 05
2600 000	2600 000	-5 139	43 3500	2601 00000	5 139	106 79	1 21E+01	24 42
2800 000	2800 000	-5 279	46 6833	2801 00000	5 279	106 65	1 24E+01	24 75
3000 000	3000 000	-5 425	50 0167	3001 00000	5 425	106 50	1 27E+01	25 09
3200 000	3200 000	-5 565	53 3500	3201 00000	5 565	106 36	1 31E+01	25 42
3400 000	3400 000	-5 707	56 6833	3401 00000	5 707	106 22	1 34E+01	25 75
3600 000	3600 000	-5 850	60 0167	3601 00000	5 850	106 08	1 37E+01	26 09
3800 000	3800 000	-5 987	63 3500	3801 00000	5 987	105 94	1 41E+01	26 41
4000 000	4000 000	-6 123	66 6833	4001 00000	6 123	105 80	1 44E+01	26 73
4200 000	4200 000	-6 259	70 0167	4201 00000	6 259	105 67	1 47E+01	27 05
4400 000	4400 000	-6 396	73 3500	4401 00000	6 396	105 53	1 50E+01	27 37
4600 000	4600 000	-6 532	76 6833	4601 00000	6 532	105 39	1 53E+01	27 69
4800 000	4800 000	-6 666	80 0167	4801 00000	6 666	105 26	1 57E+01	28 00
5000 000	5000 000	-6 802	83 3500	5001 00000	6 802	105 12	1 60E+01	28 32
5200 000	5200 000	-6 948	86 6833	5201 00000	6 948	104 98	1 63E+01	28 66
5400 000	5400 000	-7 078	90 0167	5401 00000	7 078	104 85	1 66E+01	28 97
5600 000	5600 000	-7 202	93 3500	5601 00000	7 202	104 72	1 69E+01	29 26
5800 000	5800 000	-7 329	96 6833	5801 00000	7 329	104 60	1 72E+01	29 56
6000 000	6000 000	-7 465	100 0167	6001 00000	7 465	104 46	1 75E+01	29 88
6200 000	6200 000	-7 589	103 3500	6201 00000	7 589	104 34	1 78E+01	30 17
6400 000	6400 000	-7 709	106 6833	6401 00000	7 709	104 22	1 81E+01	30 45
6600 000	6600 000	-7 830	110 0167	6601 00000	7 830	104 10	1 84E+01	30 74
6800 000	6800 000	-7 951	113 3500	6801 00000	7 951	103 97	1 87E+01	31 02
7000 000	7000 000	-8 065	116 6833	7001 00000	8 065	103 86	1 89E+01	31 29
7200 000	7200 000	-8 179	120 0167	7201 00000	8 179	103 75	1 92E+01	31 55
7400 000	7400 000	-8 303	123 3500	7401 00000	8 303	103 62	1 95E+01	31 85
7600 000	7600 000	-8 420	126 6833	7601 00000	8 420	103 51	1 98E+01	32.12
7800 000	7800 000	-8 534	130 0167	7801 00000	8 534	103 39	2.00E+01	32.39
8000 000	8000 000	-8 655	133 3500	8001 00000	8 655	103 27	2.03E+01	32.67
8200 000	8200 000	-8 779	136 6833	8201 00000	8 779	103 15	2.06E+01	32.96
8400 000	8400 000	-8 890	140 0167	8401 00000	8 890	103 04	2.09E+01	33.22
8600 000	8600 000	-9 004	143 3500	8601 00000	9 004	102 92	2.11E+01	33.49
8800 000	8800 000	-9 121	146 6833	8801 00000	9 121	102 80	2.14E+01	33.77
9000 000	9000 000	-9 242	150 0167	9001 00000	9 242	102 68	2.17E+01	34.05
9200 000	9200 000	-9 362	153 3500	9201 00000	9 362	102 56	2.20E+01	34.33
9400 000	9400 000	-9 483	156 6833	9401 00000	9 483	102 44	2.23E+01	34.62
9600 000	9600 000	-9 600	160 0167	9601 00000	9 600	102 33	2.25E+01	34.89
9800 000	9800 000	-9 721	163 3500	9801 00000	9 721	102 20	2.28E+01	35.17
10000 000	10000 000	-9 838	166 6833	10001 00000	9 838	102 09	2.31E+01	35.45
11440 000	11440 000	-10 663	190 6833	11441 00000	10 663	101 26	2.50E+01	37.39
12880 000	12880 000	-11 476	214 6833	12881 00000	11 476	100 45	2.69E+01	39.30
14320 000	14320 000	-12 266	238 6833	14321 00000	12 266	99 66	2.88E+01	41.15
15760 000	15760 000	-13 075	262 6833	15761 00000	13 075	98 85	3.07E+01	43.05
17200 000	17200 000	-13 843	286 6833	17201 00000	13 843	98 08	3.25E+01	44.85

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
18640 000	-14 610	310 6833	18641 00000	14 610	97 32		3 43E+01	46 65
20080 000	-15 385	334 6833	20081 00000	15 385	96 54		3 53E+01	47 68
21520 000	-16 118	358 6833	21521 00000	16 118	95 81		3 58E+01	48 13
22960 000	-16 806	382 6833	22961 00000	16 806	95 12		3 62E+01	48 56
24400 000	-17 495	406 6833	24401 00000	17 495	94 43		3 66E+01	48 98
25840 000	-18 551	430 6833	25841 00000	18 551	93 37		3 73E+01	49 63
27280 000	-19 696	454 6833	27281 00000	19 696	92 23		3 80E+01	50 34
28720 000	-20 791	478 6833	28721 00000	20 791	91 13		3 87E+01	51 02
30160 000	-21 863	502 6833	30161 00000	21 863	90 06		3 93E+01	51 68
31600 000	-22 939	526 6833	31601 00000	22 939	88 99		4 00E+01	52 34
33040 000	-23 964	550 6833	33041 00000	23 964	87 96		4 06E+01	52.98
34480 000	-24 665	574 6833	34481 00000	24 665	87 26		4 11E+01	53 41
35920 000	-24 665	598 6833	35921 00000	24 665	87 26		4 11E+01	53 41
37360 000	-24 665	622 6833	37361 00000	24 665	87 26		4 11E+01	53 41
38800 000	-24 665	646 6833	38801 00000	24 665	87 26		4 11E+01	53 41
40240 000	-24 665	670 6833	40241 00000	24 665	87 26		4 11E+01	53 41
41680 000	-24 665	694 6833	41681 00000	24 665	87 26		4 11E+01	53 41

Well No. 50092

Measured recovery after sampling

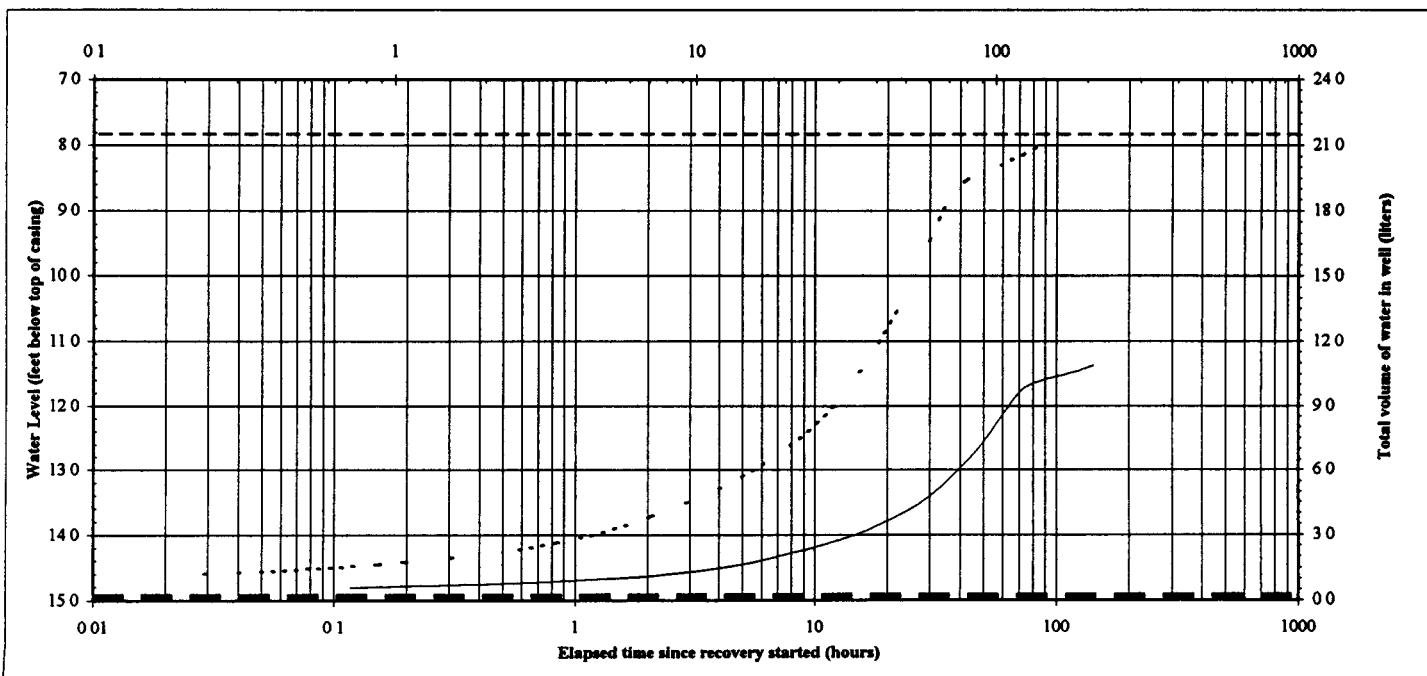
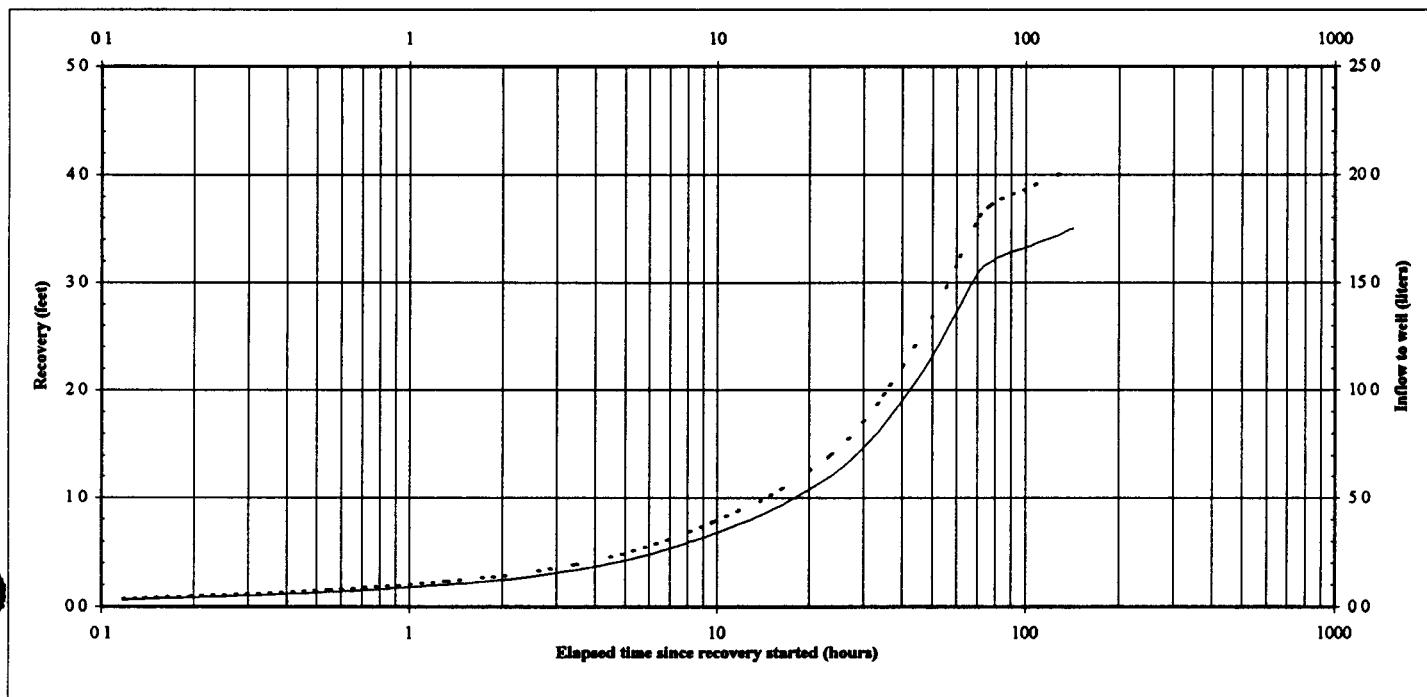
Date: 17-May-94

2nd quarter

1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

50092

Date Sampled

2nd quarter
17-May-94

Final ball time	8:45	Delay	7 00	Minutes	
Set transducer time	8:52				
Static water level (pre-sampling)	7.8	feet below top of casing			
Final water level (post-recovery)	11.4	feet below top of casing			
Last recorded water level	11.3	feet below transducer			
Transducer Reference Depth	14.9	feet below top of casing			
Bottom of well	14.9	feet below top of casing			
First recorded water level	14.8	feet below transducer			
First recorded water level	14.8	feet below top of casing			
Water column remaining in casing after purging	0.1	feet			
Volume remaining in casing after purging	0.7	liters			
Well diameter	10.0	inches	0.833	feet	
Well radius	5.0	inches	0.417	feet	
Casing diameter	2.0	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	3.1	inches	0.255	feet	
Top of sandpack	3.3	feet below top of casing			
				0.62	liters/foot
				5.81	liters/foot

Input data					
Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final ball (minutes)	Recovery (Feet of water)	water level (ftbc)
0 000	-0.063	0 1167	7 00000	0 063	14 81
0 003	-0.063	0 1167	7 00330	0 063	14 81
0 007	-0.063	0 1168	7 00660	0 063	14 81
0 010	-0.063	0 1168	7 01000	0 063	14 81
0 013	-0.063	0 1169	7 01330	0 063	14 81
0 017	-0.063	0 1169	7 01660	0 063	14 81
0 020	-0.063	0 1170	7 02000	0 063	14 81
0 023	-0.063	0 1171	7 02330	0 063	14 81
0 027	-0.063	0 1171	7 02660	0 063	14 81
0 030	-0.063	0 1172	7 03000	0 063	14 81
0 033	-0.063	0 1172	7 03330	0 063	14 81
0 037	-0.063	0 1173	7 03660	0 063	14 81
0 040	-0.063	0 1173	7 04000	0 063	14 81
0 043	-0.063	0 1174	7 04330	0 063	14 81
0 047	-0.063	0 1174	7 04660	0 063	14 81
0 050	-0.063	0 1175	7 05000	0 063	14 81
0 053	-0.063	0 1176	7 05330	0 063	14 81
0 057	-0.063	0 1176	7 05660	0 063	14 81
0 060	-0.063	0 1177	7 06000	0 063	14 81
0 063	-0.063	0 1177	7 06330	0 063	14 81
0 067	-0.063	0 1178	7 06660	0 063	14 81
0 070	-0.063	0 1178	7 07000	0 063	14 81
0 073	-0.063	0 1179	7 07330	0 063	14 81
0 077	-0.063	0 1179	7 07660	0 063	14 81
0 080	-0.063	0 1180	7 08000	0 063	14 81
0 083	-0.063	0 1181	7 08330	0 063	14 81
0 087	-0.063	0 1181	7 08660	0 063	14 81
0 090	-0.063	0 1182	7 09000	0 063	14 81
0 093	-0.063	0 1182	7 09330	0 063	14 81
0 097	-0.063	0 1183	7 09660	0 063	14 81
0 100	-0.063	0 1183	7 10000	0 063	14 81
0 103	-0.063	0 1184	7 10330	0 063	14 81
0 107	-0.063	0 1184	7 10660	0 063	14 81
0 110	-0.063	0 1185	7 11000	0 063	14 81
0 113	-0.063	0 1186	7 11330	0 063	14 81
0 117	-0.063	0 1186	7 11660	0 063	14 81
0 120	-0.063	0 1187	7 12000	0 063	14 81
0 123	-0.063	0 1187	7 12330	0 063	14 81

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-0 063	0 1188	7 12660	0 063	14 81	3 66E-01	1 05	
0 130	-0 063	0 1188	7 13000	0 063	14 81	3 66E-01	1 05	
0 133	-0 063	0 1189	7 13330	0 063	14 81	3 66E-01	1 05	
0 137	-0 063	0 1189	7 13660	0 063	14 81	3 66E-01	1 05	
0 140	-0 063	0 1190	7 14000	0 063	14 81	3 66E-01	1 05	
0 143	-0 063	0 1191	7 14330	0 063	14 81	3 66E-01	1 05	
0 147	-0 063	0 1191	7 14660	0 063	14 81	3 66E-01	1 05	
0 150	-0 063	0 1192	7 15000	0 063	14 81	3 66E-01	1 05	
0 153	-0 063	0 1192	7 15330	0 063	14 81	3 66E-01	1 05	
0 157	-0 063	0 1193	7 15660	0 063	14 81	3 66E-01	1 05	
0 160	-0 063	0 1193	7 16000	0 063	14 81	3 66E-01	1 05	
0 163	-0 063	0 1194	7 16330	0 063	14 81	3 66E-01	1 05	
0 167	-0 063	0 1194	7 16660	0 063	14 81	3 66E-01	1 05	
0 170	-0 063	0 1195	7 17000	0 063	14 81	3 66E-01	1 05	
0 173	-0 063	0 1196	7 17330	0 063	14 81	3 66E-01	1 05	
0 177	-0 063	0 1196	7 17660	0 063	14 81	3 66E-01	1 05	
0 180	-0 063	0 1197	7 18000	0 063	14 81	3 66E-01	1 05	
0 183	-0 063	0 1197	7 18330	0 063	14 81	3 66E-01	1 05	
0 187	-0 063	0 1198	7 18660	0 063	14 81	3 66E-01	1 05	
0 190	-0 063	0 1198	7 19000	0 063	14 81	3 66E-01	1 05	
0 193	-0 063	0 1199	7 19330	0 063	14 81	3 66E-01	1 05	
0 197	-0 063	0 1199	7 19660	0 063	14 81	3 66E-01	1 05	
0 200	-0 063	0 1200	7 20000	0 063	14 81	3 66E-01	1 05	
0 203	-0 063	0 1201	7 20330	0 063	14 81	3 66E-01	1 05	
0 207	-0 063	0 1201	7 20660	0 063	14 81	3 66E-01	1 05	
0 210	-0 063	0 1202	7 21000	0 063	14 81	3 66E-01	1 05	
0 213	-0 063	0 1202	7 21330	0 063	14 81	3 66E-01	1 05	
0 217	-0 063	0 1203	7 21660	0 063	14 81	3 66E-01	1 05	
0 220	-0 063	0 1203	7 22000	0 063	14 81	3 66E-01	1 05	
0 223	-0 063	0 1204	7 22330	0 063	14 81	3 66E-01	1 05	
0 227	-0 063	0 1204	7 22660	0 063	14 81	3 66E-01	1 05	
0 230	-0 063	0 1205	7 23000	0 063	14 81	3 66E-01	1 05	
0 233	-0 063	0 1206	7 23330	0 063	14 81	3 66E-01	1 05	
0 237	-0 063	0 1206	7 23660	0 063	14 81	3 66E-01	1 05	
0 240	-0 063	0 1207	7 24000	0 063	14 81	3 66E-01	1 05	
0 243	-0 063	0 1207	7 24330	0 063	14 81	3 66E-01	1 05	
0 247	-0 063	0 1208	7 24660	0 063	14 81	3 66E-01	1 05	
0 250	-0 063	0 1208	7 25000	0 063	14 81	3 66E-01	1 05	
0 253	-0 063	0 1209	7 25330	0 063	14 81	3 66E-01	1 05	
0 257	-0 066	0 1209	7 25660	0 066	14 81	3 83E-01	1 07	
0 260	-0 063	0 1210	7 26000	0 063	14 81	3 66E-01	1 05	
0 263	-0 066	0 1211	7 26330	0 066	14 81	3 83E-01	1 07	
0 267	-0 063	0 1211	7 26660	0 063	14 81	3 66E-01	1 05	
0 270	-0 063	0 1212	7 27000	0 063	14 81	3 66E-01	1 05	
0 273	-0 063	0 1212	7 27330	0 063	14 81	3 66E-01	1 05	
0 277	-0 063	0 1213	7 27660	0 063	14 81	3 66E-01	1 05	
0 280	-0 063	0 1213	7 28000	0 063	14 81	3 66E-01	1 05	
0 283	-0 063	0 1214	7 28330	0 063	14 81	3 66E-01	1 05	
0 287	-0 063	0 1214	7 28660	0 063	14 81	3 66E-01	1 05	
0 290	-0 063	0 1215	7 29000	0 063	14 81	3 66E-01	1 05	
0 293	-0 066	0 1216	7 29330	0 066	14 81	3 83E-01	1 07	
0 297	-0 063	0 1216	7 29660	0 063	14 81	3 66E-01	1 05	
0 300	-0 063	0 1217	7 30000	0 063	14 81	3 66E-01	1 05	
0 303	-0 063	0 1217	7 30330	0 063	14 81	3 66E-01	1 05	
0 307	-0 063	0 1218	7 30660	0 063	14 81	3 66E-01	1 05	
0 310	-0 063	0 1218	7 31000	0 063	14 81	3 66E-01	1 05	
0 313	-0 063	0 1219	7 31330	0 063	14 81	3 66E-01	1 05	
0 317	-0 066	0 1219	7 31660	0 066	14 81	3 83E-01	1 07	
0 320	-0 063	0 1220	7 32000	0 063	14 81	3 66E-01	1 05	
0 323	-0 066	0 1221	7 32330	0 066	14 81	3 83E-01	1 07	
0 327	-0 063	0 1221	7 32660	0 063	14 81	3 66E-01	1 05	
0 330	-0 066	0 1222	7 33000	0 066	14 81	3 83E-01	1 07	
0 333	-0 066	0 1222	7 33330	0 066	14 81	3 83E-01	1 07	
0 350	-0 066	0 1225	7 35000	0 066	14 81	3 83E-01	1 07	
0 367	-0 066	0 1228	7 36660	0 066	14 81	3 83E-01	1 07	
0 383	-0 066	0 1231	7 38330	0 066	14 81	3 83E-01	1 07	
0 400	-0 066	0 1233	7 40000	0 066	14 81	3 83E-01	1 07	
0 417	-0 066	0 1236	7 41660	0 066	14 81	3 83E-01	1 07	
0 433	-0 066	0 1239	7 43330	0 066	14 81	3 83E-01	1 07	
0 450	-0 066	0 1242	7 45000	0 066	14 81	3 83E-01	1 07	
0 467	-0 066	0 1244	7 46660	0 066	14 81	3 83E-01	1 07	
0 483	-0 066	0 1247	7 48330	0 066	14 81	3 83E-01	1 07	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 500	-0 066	0 1250	7 50000	0 066	14 81	3 83E-01	1 07	
0 517	-0 066	0 1253	7 51660	0 066	14 81	3 83E-01	1 07	
0 533	-0 066	0 1256	7 53330	0 066	14 81	3 83E-01	1 07	
0 550	-0 066	0 1258	7 55000	0 066	14 81	3 83E-01	1 07	
0 567	-0 066	0 1261	7 56660	0 066	14 81	3 83E-01	1 07	
0 583	-0 066	0 1264	7 58330	0 066	14 81	3 83E-01	1 07	
0 600	-0 066	0 1267	7 60000	0 066	14 81	3 83E-01	1 07	
0 617	-0 066	0 1269	7 61660	0 066	14 81	3 83E-01	1 07	
0 633	-0 066	0 1272	7 63330	0 066	14 81	3 83E-01	1 07	
0 650	-0 066	0 1275	7 65000	0 066	14 81	3 83E-01	1 07	
0 667	-0 066	0 1278	7 66660	0 066	14 81	3 83E-01	1 07	
0 683	-0 066	0 1281	7 68330	0 066	14 81	3 83E-01	1 07	
0 700	-0 066	0 1283	7 70000	0 066	14 81	3 83E-01	1 07	
0 717	-0 066	0 1286	7 71660	0 066	14 81	3 83E-01	1 07	
0 733	-0 066	0 1289	7 73330	0 066	14 81	3 83E-01	1 07	
0 750	-0 066	0 1292	7 75000	0 066	14 81	3 83E-01	1 07	
0 767	-0 066	0 1294	7 76660	0 066	14 81	3 83E-01	1 07	
0 783	-0 069	0 1297	7 78330	0 069	14 81	4 01E-01	1 09	
0 800	-0 066	0 1300	7 80000	0 066	14 81	3 83E-01	1 07	
0 817	-0 066	0 1303	7 81660	0 066	14 81	3 83E-01	1 07	
0 833	-0 066	0 1306	7 83330	0 066	14 81	3 83E-01	1 07	
0 850	-0 069	0 1308	7 85000	0 069	14 81	4 01E-01	1 09	
0 867	-0 069	0 1311	7 86660	0 069	14 81	4 01E-01	1 09	
0 883	-0 069	0 1314	7 88330	0 069	14 81	4 01E-01	1 09	
0 900	-0 069	0 1317	7 90000	0 069	14 81	4 01E-01	1 09	
0 917	-0 069	0 1319	7 91660	0 069	14 81	4 01E-01	1 09	
0 933	-0 069	0 1322	7 93330	0 069	14 81	4 01E-01	1 09	
0 950	-0 069	0 1325	7 95000	0 069	14 81	4 01E-01	1 09	
0 967	-0 069	0 1328	7 96660	0 069	14 81	4 01E-01	1 09	
0 983	-0 069	0 1331	7 98330	0 069	14 81	4 01E-01	1 09	
1 000	-0 069	0 1333	8 00000	0 069	14 81	4 01E-01	1 09	
1 200	-0 069	0 1367	8 20000	0 069	14 81	4 01E-01	1 09	
1 400	-0 072	0 1400	8 40000	0 072	14 80	4 18E-01	1 10	
1 600	-0 072	0 1433	8 60000	0 072	14 80	4 18E-01	1 10	
1 800	-0 075	0 1467	8 80000	0 075	14 80	4 36E-01	1 12	
2 000	-0 075	0 1500	9 00000	0 075	14 80	4 36E-01	1 12	
2 200	-0 075	0 1533	9 20000	0 075	14 80	4 36E-01	1 12	
2 400	-0 078	0 1567	9 40000	0 078	14 80	4 53E-01	1 14	
2 600	-0 078	0 1600	9 60000	0 078	14 80	4 53E-01	1 14	
2 800	-0 078	0 1633	9 80000	0 078	14 80	4 53E-01	1 14	
3 000	-0 078	0 1667	10 00000	0 078	14 80	4 53E-01	1 14	
3 200	-0 078	0 1700	10 20000	0 078	14 80	4 53E-01	1 14	
3 400	-0 081	0 1733	10 40000	0 081	14 79	4 70E-01	1 16	
3 600	-0 081	0 1767	10 60000	0 081	14 79	4 70E-01	1 16	
3 800	-0 081	0 1800	10 80000	0 081	14 79	4 70E-01	1 16	
4 000	-0 081	0 1833	11 00000	0 081	14 79	4 70E-01	1 16	
4 200	-0 085	0 1867	11 20000	0 085	14 79	4 94E-01	1 18	
4 400	-0 085	0 1900	11 40000	0 085	14 79	4 94E-01	1 18	
4 600	-0 085	0 1933	11 60000	0 085	14 79	4 94E-01	1 18	
4 800	-0 088	0 1967	11 80000	0 088	14 79	5 11E-01	1 20	
5 000	-0 088	0 2000	12 00000	0 088	14 79	5 11E-01	1 20	
5 200	-0 088	0 2033	12 20000	0 088	14 79	5 11E-01	1 20	
5 400	-0 088	0 2067	12 40000	0 088	14 79	5 11E-01	1 20	
5 600	-0 091	0 2100	12 60000	0 091	14 78	5 29E-01	1 21	
5 800	-0 091	0 2133	12 80000	0 091	14 78	5 29E-01	1 21	
6 000	-0 091	0 2167	13 00000	0 091	14 78	5 29E-01	1 21	
6 200	-0 091	0 2200	13 20000	0 091	14 78	5 29E-01	1 21	
6 400	-0 091	0 2233	13 40000	0 091	14 78	5 29E-01	1 21	
6 600	-0 094	0 2267	13 60000	0 094	14 78	5 46E-01	1 23	
6 800	-0 094	0 2300	13 80000	0 094	14 78	5 46E-01	1 23	
7 000	-0 094	0 2333	14 00000	0 094	14 78	5 46E-01	1 23	
7 200	-0 094	0 2367	14 20000	0 094	14 78	5 46E-01	1 23	
7 400	-0 094	0 2400	14 40000	0 094	14 78	5 46E-01	1 23	
7 600	-0 094	0 2433	14 60000	0 094	14 78	5 46E-01	1 23	
7 800	-0 097	0 2467	14 80000	0 097	14 78	5 63E-01	1 25	
8 000	-0 094	0 2500	15 00000	0 094	14 78	5 46E-01	1 23	
8 200	-0 094	0 2533	15 20000	0 094	14 78	5 46E-01	1 23	
8 400	-0 097	0 2567	15 40000	0 097	14 78	5 63E-01	1 25	
8 600	-0 097	0 2600	15 60000	0 097	14 78	5 63E-01	1 25	
8 800	-0 097	0 2633	15 80000	0 097	14 78	5 63E-01	1 25	
9 000	-0 100	0 2667	16 00000	0 100	14 78	5 81E-01	1 27	
9 200	-0 100	0 2700	16 20000	0 100	14 78	5 81E-01	1 27	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
9 400	-0 100	0 2733		16.40000	0 100	14 78	5 81E-01	1 27
9 600	-0 104	0 2767		16 60000	0 104	14 77	6 04E-01	1 29
9 800	-0 104	0 2800		16 80000	0 104	14 77	6 04E-01	1 29
10 000	-0 104	0 2833		17 00000	0 104	14 77	6 04E-01	1 29
12 000	-0 104	0 3167		19 00000	0 104	14 77	6 04E-01	1 29
14 000	-0 110	0 3500		21 00000	0 110	14 77	6 39E-01	1 32
16 000	-0 113	0 3833		23 00000	0 113	14 76	6 56E-01	1 34
18 000	-0 119	0 4167		25 00000	0 119	14 76	6 91E-01	1 38
20 000	-0 122	0 4500		27 00000	0 122	14 75	7 09E-01	1 39
22 000	-0 126	0 4833		29 00000	0 126	14 75	7 32E-01	1 42
24 000	-0 132	0 5167		31 00000	0 132	14 74	7 67E-01	1 45
26 000	-0 135	0 5500		33 00000	0 135	14 74	7 84E-01	1 47
28 000	-0 138	0 5833		35 00000	0 138	14 74	8 01E-01	1 49
30 000	-0 141	0 6167		37 00000	0 141	14 73	8 19E-01	1 50
32 000	-0 145	0 6500		39 00000	0 145	14 73	8 42E-01	1 53
34 000	-0 148	0 6833		41 00000	0 148	14 73	8 60E-01	1 54
36 000	-0 154	0 7167		43 00000	0 154	14 72	8 94E-01	1 58
38 000	-0 157	0 7500		45 00000	0 157	14 72	9 12E-01	1 60
40 000	-0 157	0 7833		47 00000	0 157	14 72	9 12E-01	1 60
42 000	-0 163	0 8167		49 00000	0 163	14 71	9 47E-01	1 63
44 000	-0 163	0 8500		51 00000	0 163	14 71	9 47E-01	1 63
46 000	-0 170	0 8833		53 00000	0 170	14 71	9 87E-01	1 67
48 000	-0 170	0 9167		55 00000	0 170	14 71	9 87E-01	1 67
50 000	-0 173	0 9500		57 00000	0 173	14 70	1 00E+00	1 69
52 000	-0 176	0 9833		59 00000	0 176	14 70	1 02E+00	1 71
54 000	-0 179	1 0167		61 00000	0 179	14 70	1 04E+00	1 72
56 000	-0 182	1 0500		63 00000	0 182	14 69	1 06E+00	1 74
58 000	-0 186	1 0833		65 00000	0 186	14 69	1 08E+00	1 77
60 000	-0 189	1 1167		67 00000	0 189	14 69	1 10E+00	1 78
62 000	-0 192	1 1500		69 00000	0 192	14 68	1 12E+00	1 80
64 000	-0 192	1 1833		71 00000	0 192	14 68	1 12E+00	1 80
66 000	-0 195	1 2167		73 00000	0 195	14 68	1 13E+00	1 82
68 000	-0 198	1 2500		75 00000	0 198	14 68	1 15E+00	1 84
70 000	-0 201	1 2833		77 00000	0 201	14 67	1 17E+00	1 85
72 000	-0 201	1 3167		79 00000	0 201	14 67	1 17E+00	1 85
74 000	-0 204	1 3500		81 00000	0 204	14 67	1 18E+00	1 87
76 000	-0 208	1 3833		83 00000	0 208	14 67	1 21E+00	1 89
78 000	-0 211	1 4167		85 00000	0 211	14 66	1 23E+00	1 91
80 000	-0 211	1 4500		87 00000	0 211	14 66	1 23E+00	1 91
82 000	-0 214	1 4833		89 00000	0 214	14 66	1 24E+00	1 93
84 000	-0 214	1 5167		91 00000	0 214	14 66	1 24E+00	1 93
86 000	-0 220	1 5500		93 00000	0 220	14 66	1 28E+00	1 96
88 000	-0 220	1 5833		95 00000	0 220	14 66	1 28E+00	1 96
90 000	-0 223	1 6167		97 00000	0 223	14 65	1 30E+00	1 98
92 000	-0 223	1 6500		99 00000	0 223	14 65	1 30E+00	1 98
94 000	-0 227	1 6833		101 00000	0 227	14 65	1 32E+00	2.00
96 000	-0 230	1 7167		103 00000	0 230	14 65	1 34E+00	2.02
98 000	-0 230	1 7500		105 00000	0 230	14 65	1 34E+00	2.02
100 000	-0 233	1 7833		107 00000	0 233	14 64	1 35E+00	2.04
120 000	-0 252	2.1167		127 00000	0 252	14 62	1 46E+00	2.15
140 000	-0 274	2.4500		147 00000	0 274	14 60	1 59E+00	2.28
160 000	-0 296	2.7833		167 00000	0 296	14 58	1 72E+00	2.40
180 000	-0 318	3.1167		187 00000	0 318	14 56	1 85E+00	2.53
200 000	-0 337	3.4500		207 00000	0 337	14 54	1 96E+00	2.64
220 000	-0 356	3.7833		227 00000	0 356	14 52	2 07E+00	2.75
240 000	-0 375	4 1167		247 00000	0 375	14 50	2 18E+00	2.86
260 000	-0 394	4 4500		267 00000	0 394	14 48	2 29E+00	2.97
280 000	-0 413	4 7833		287 00000	0 413	14 46	2 40E+00	3.08
300 000	-0 431	5 1167		307 00000	0 431	14 44	2 50E+00	3.19
320 000	-0 454	5 4500		327 00000	0 454	14 42	2 64E+00	3.32
340 000	-0 472	5 7833		347 00000	0 472	14 40	2.74E+00	3.43
360 000	-0 488	6 1167		367 00000	0 488	14 39	2.83E+00	3.52
380 000	-0 507	6 4500		387 00000	0 507	14 37	2.94E+00	3.63
400 000	-0 526	6 7833		407 00000	0 526	14 35	3.05E+00	3.74
420 000	-0 545	7 1167		427 00000	0 545	14 33	3.17E+00	3.85
440 000	-0 561	7 4500		447 00000	0 561	14 31	3.26E+00	3.94
460 000	-0 580	7 7833		467 00000	0 580	14 30	3.37E+00	4.05
480 000	-0 599	8 1167		487 00000	0 599	14 28	3.48E+00	4.16
500 000	-0 611	8 4500		507 00000	0 611	14 26	3.55E+00	4.23
520 000	-0 630	8 7833		527 00000	0 630	14 25	3.66E+00	4.34
540 000	-0 643	9 1167		547 00000	0 643	14 23	3.73E+00	4.42
560 000	-0 658	9 4500		567 00000	0 658	14 22	3.82E+00	4.51

Input data						Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
580 000	-0 674	9 7833	587 00000	0 674	14 20	3 91E+00	4 60
600 000	-0 690	10 1167	607 00000	0 690	14 19	4 01E+00	4 69
620 000	-0 703	10 4500	627 00000	0 703	14 17	4 08E+00	4 77
640 000	-0 718	10 7833	647 00000	0 718	14 16	4 17E+00	4 86
660 000	-0 731	11 1167	667 00000	0 731	14 14	4 25E+00	4 93
680 000	-0 747	11 4500	687 00000	0 747	14 13	4 34E+00	5 02
700 000	-0 759	11 7833	707 00000	0 759	14 12	4 41E+00	5 09
720 000	-0 772	12.1167	727 00000	0 772	14 10	4 48E+00	5 17
740 000	-0 785	12.4500	747 00000	0 785	14 09	4 56E+00	5 24
760 000	-0 797	12.7833	767 00000	0 797	14 08	4 63E+00	5 31
780 000	-0 810	13 1167	787 00000	0 810	14 07	4 70E+00	5 39
800 000	-0 822	13 4500	807 00000	0 822	14 05	4 77E+00	5 46
820 000	-0 835	13 7833	827 00000	0 835	14 04	4 85E+00	5 53
840 000	-0 851	14 1167	847 00000	0 851	14 02	4 94E+00	5 63
860 000	-0 863	14 4500	867 00000	0 863	14 01	5 01E+00	5 70
880 000	-0 876	14 7833	887 00000	0 876	14 00	5 09E+00	5 77
900 000	-0 892	15 1167	907 00000	0 892	13 98	5 18E+00	5 87
920 000	-0 904	15 4500	927 00000	0 904	13 97	5 25E+00	5 94
940 000	-0 917	15 7833	947 00000	0 917	13 96	5 33E+00	6 01
960 000	-0 930	16.1167	967 00000	0 930	13 95	5 40E+00	6 09
980 000	-0 942	16 4500	987 00000	0 942	13 93	5 47E+00	6 16
1000 000	-0 958	16 7833	1007 00000	0 958	13 92	5 56E+00	6 25
1200 000	-1 087	20 1167	1207 00000	1 087	13 79	6 31E+00	7 00
1400 000	-1 204	23 4500	1407 00000	1 204	13 67	6 99E+00	7 68
1600 000	-1 333	26 7833	1607 00000	1 333	13 54	7 74E+00	8 43
1800 000	-1 475	30 1167	1807 00000	1 475	13 40	8 57E+00	9 25
2000 000	-1 617	33 4500	2007 00000	1 617	13 26	9 39E+00	10 08
2200 000	-1 768	36.7833	2207 00000	1 768	13 11	1 03E+01	10 95
2400 000	-1 907	40 1167	2407 00000	1 907	12.97	1 11E+01	11 76
2600 000	-2.046	43 4500	2607 00000	2.046	12.83	1 19E+01	12.57
2800 000	-2.181	46.7833	2807 00000	2.181	12.69	1 27E+01	13 35
3000 000	-2.314	50 1167	3007 00000	2.314	12.56	1 34E+01	14 12
3200 000	-2.459	53 4500	3207 00000	2.459	12.42	1 43E+01	14 97
3400 000	-2.610	56.7833	3407 00000	2.610	12.27	1 52E+01	15 84
3600 000	-2.736	60 1167	3607 00000	2.736	12 14	1 59E+01	16 58
3800 000	-2.865	63 4500	3807 00000	2.865	12 01	1 66E+01	17 32
4000 000	-2.985	66 7833	4007 00000	2.985	11 89	1 73E+01	18 02
4200 000	-3 089	70 1167	4207 00000	3 089	11 79	1 79E+01	18 63
4400 000	-3 155	73 4500	4407 00000	3 155	11 72	1 83E+01	19 01
4600 000	-3 193	76 7833	4607 00000	3 193	11 68	1 85E+01	19 23
4800 000	-3 225	80 1167	4807 00000	3 225	11 65	1 87E+01	19 42
5000 000	-3 247	83 4500	5007 00000	3 247	11 63	1 89E+01	19 54
5200 000	-3 269	86 7833	5207 00000	3 269	11 61	1 90E+01	19 67
5400 000	-3 285	90 1167	5407 00000	3 285	11 59	1 91E+01	19 76
5600 000	-3 301	93 4500	5607 00000	3 301	11 57	1 92E+01	19 86
5800 000	-3 310	96.7833	5807 00000	3 310	11 57	1 92E+01	19 91
6000 000	-3 329	100 1167	6007 00000	3 329	11 55	1 93E+01	20 02
6200 000	-3 341	103 4500	6207 00000	3 341	11 53	1 94E+01	20 09
6400 000	-3 357	106 7833	6407 00000	3 357	11 52	1 95E+01	20 18
6600 000	-3 373	110 1167	6607 00000	3 373	11 50	1 96E+01	20 27
6800 000	-3 389	113 4500	6807 00000	3 389	11 49	1 97E+01	20 37
7000 000	-3 401	116 7833	7007 00000	3 401	11 47	1 98E+01	20 44
7200 000	-3 411	120 1167	7207 00000	3 411	11 46	1 98E+01	20 50
7400 000	-3 423	123 4500	7407 00000	3 423	11 45	1 99E+01	20 57
7600 000	-3 439	126 7833	7607 00000	3 439	11 44	2 00E+01	20 66
7800 000	-3 455	130 1167	7807 00000	3 455	11 42	2 01E+01	20 75
8000 000	-3 471	133 4500	8007 00000	3 471	11 40	2 02E+01	20 84
8200 000	-3 487	136.7833	8207 00000	3 487	11 39	2 03E+01	20 94
8400 000	-3 499	140 1167	8407 00000	3 499	11 38	2 03E+01	21 01
8600 000	-3 505	143 4500	8607 00000	3 505	11 37	2 04E+01	21 04

Well No. 75092
Measured recovery after sampling

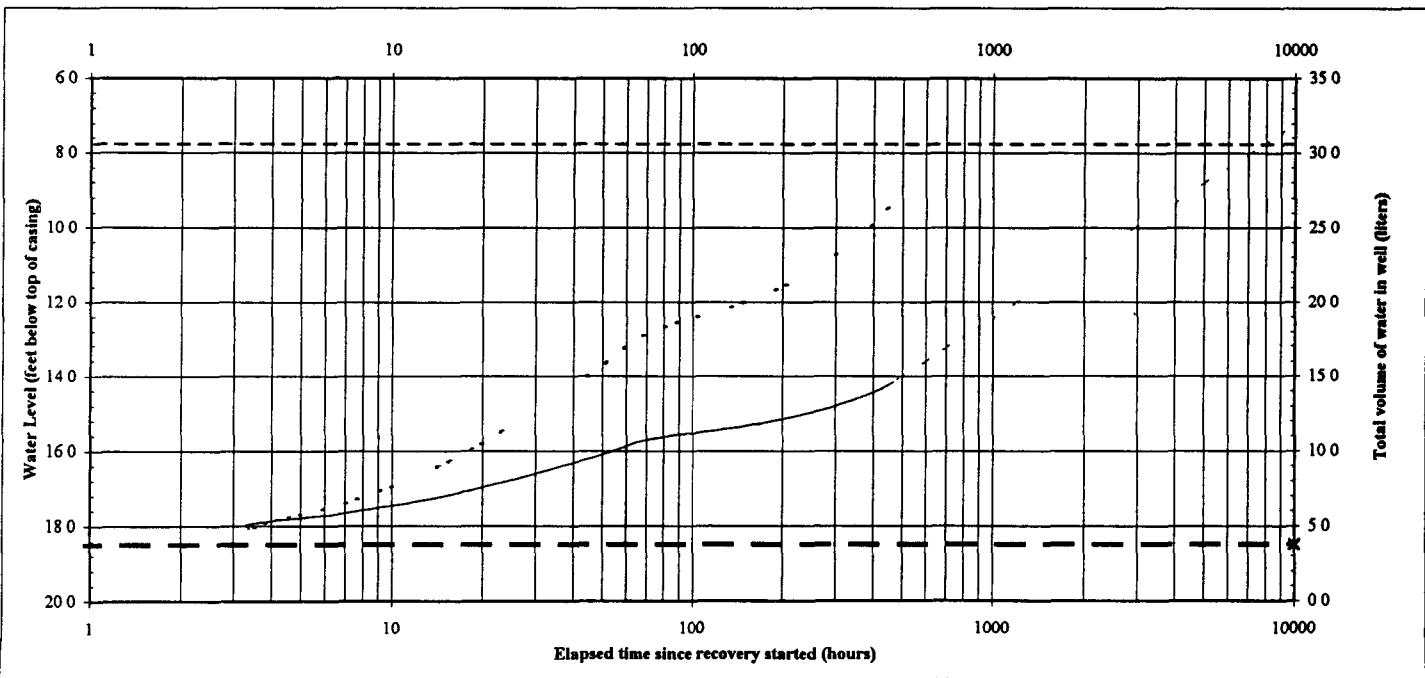
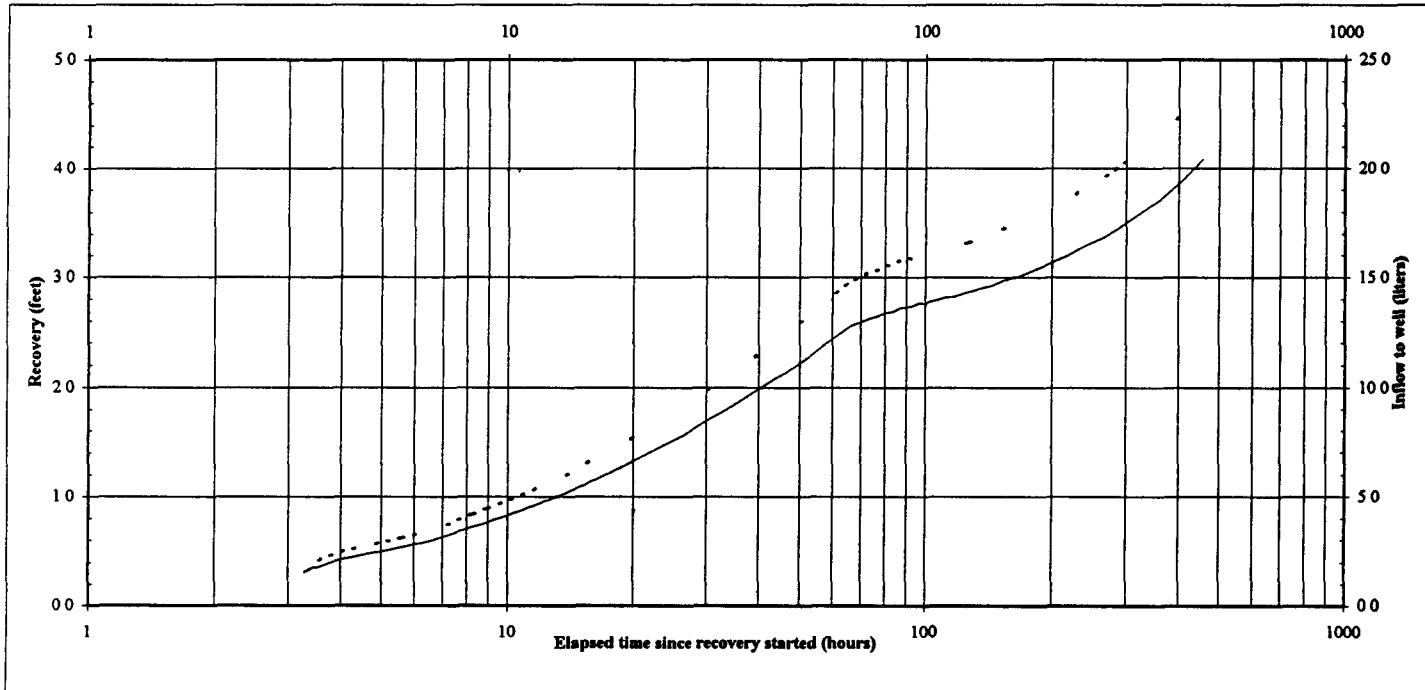
Date: 18-Aug-94

3rd quarter 1994

Water Level

Volume

Extrapolation to 100% recovery



Well No	75092
Date Sampled	3 rd quarter 18-Aug-94

Final bail time	10 54	Delay	197 00	Minutes
Set transducer time	14 11			
Static water level (pre-sampling)	7 8	feet below top of casing		
Final water level (post-recovery)	14 2	feet below top of casing		
Last recorded water level	4 1	feet below transducer		
Transducer reference depth	18 3	feet below top of casing		
Bottom of well	18 5	feet below top of casing		
First recorded water level	-0 3	feet below transducer		
First recorded water level	18 0	feet below top of casing		
Water column remaining in casing after purging	0 5	feet		
Volume remaining in casing after purging	2 8	liters		
Well diameter	10 0	inches	0 833	feet
Well radius	5 0	inches	0 417	feet
Casing diameter	2 0	inches	0 167	feet
Casing radius	1 0	inches	0 083	feet
Effective well radius	3 1	inches	0 255	feet
Top of sandpack	6 3	feet below top of casing		
			0 62 liters/foot	
			5 81 liters/foot	

Input data						Cumulative	Volume of
Transducer Elapsed Time	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 000	-0 294	3 2833	197 00000	0 294	18 00		
0 003	-0 303	3 2834	197 00330	0 303	17 99	1 76E+00	4 61
0 007	-0 306	3 2834	197 00660	0 306	17 99	1 78E+00	4 62
0 010	-0 306	3 2835	197 01000	0 306	17 99	1 78E+00	4 62
0 013	-0 306	3 2836	197 01330	0 306	17 99	1 78E+00	4 62
0 017	-0 309	3 2836	197 01660	0 309	17 99	1 79E+00	4 64
0 020	-0 309	3 2837	197 02000	0 309	17 99	1 79E+00	4 64
0 023	-0 309	3 2837	197 02330	0 309	17 99	1 79E+00	4 64
0 027	-0 309	3 2838	197 02660	0 309	17 99	1 79E+00	4 64
0 030	-0 309	3 2838	197 03000	0 309	17 99	1 79E+00	4 64
0 033	-0 309	3 2839	197 03330	0 309	17 99	1 79E+00	4 64
0 037	-0 313	3 2839	197 03660	0 313	17 98	1 82E+00	4 66
0 040	-0 313	3 2840	197 04000	0 313	17 98	1 82E+00	4 66
0 043	-0 313	3 2841	197 04330	0 313	17 98	1 82E+00	4 66
0 047	-0 313	3 2841	197 04660	0 313	17 98	1 82E+00	4 66
0 050	-0 313	3 2842	197 05000	0 313	17 98	1 82E+00	4 66
0 053	-0 313	3 2842	197 05330	0 313	17 98	1 82E+00	4 66
0 057	-0 313	3 2843	197 05660	0 313	17 98	1 82E+00	4 66
0 060	-0 313	3 2843	197 06000	0 313	17 98	1 82E+00	4 66
0 063	-0 313	3 2844	197 06330	0 313	17 98	1 82E+00	4 66
0 067	-0 313	3 2844	197 06660	0 313	17 98	1 82E+00	4 66
0 070	-0 313	3 2845	197 07000	0 313	17 98	1 82E+00	4 66
0 073	-0 313	3 2846	197 07330	0 313	17 98	1 82E+00	4 66
0 077	-0 313	3 2846	197 07660	0 313	17 98	1 82E+00	4 66
0 080	-0 313	3 2847	197 08000	0 313	17 98	1 82E+00	4 66
0 083	-0 313	3 2847	197 08330	0 313	17 98	1 82E+00	4 66
0 087	-0 313	3 2848	197 08660	0 313	17 98	1 82E+00	4 66
0 090	-0 313	3 2848	197 09000	0 313	17 98	1 82E+00	4 66
0 093	-0 313	3 2849	197 09330	0 313	17 98	1 82E+00	4 66
0 097	-0 313	3 2849	197 09660	0 313	17 98	1 82E+00	4 66
0 100	-0 313	3 2850	197 10000	0 313	17 98	1 82E+00	4 66
0 103	-0 313	3 2851	197 10330	0 313	17 98	1 82E+00	4 66
0 107	-0 313	3 2851	197 10660	0 313	17 98	1 82E+00	4 66
0 110	-0 313	3 2852	197 11000	0 313	17 98	1 82E+00	4 66
0 113	-0 313	3 2852	197 11330	0 313	17 98	1 82E+00	4 66
0 117	-0 313	3 2853	197 11660	0 313	17 98	1 82E+00	4 66
0 120	-0 313	3 2853	197 12000	0 313	17 98	1 82E+00	4 66
0 123	-0 313	3 2854	197 12330	0 313	17 98	1 82E+00	4 66

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative	Volume of
Inflow (liters)	water in well (liters)								
1 82E+00	4 66	0 127	-0 313	3 2854	197 12660	0 313	17 98		
1 82E+00	4 66	0 130	-0 313	3 2855	197 13000	0 313	17 98		
1 82E+00	4 66	0 133	-0 313	3 2856	197 13330	0 313	17 98		
1 82E+00	4 66	0 137	-0 313	3 2856	197 13660	0 313	17 98		
1 82E+00	4 66	0 140	-0 313	3 2857	197 14000	0 313	17 98		
1 82E+00	4 66	0 143	-0 313	3 2857	197 14330	0 313	17 98		
1 82E+00	4 66	0 147	-0 313	3 2858	197 14660	0 313	17 98		
1 82E+00	4 66	0 150	-0 313	3 2858	197 15000	0 313	17 98		
1 82E+00	4 66	0 153	-0 313	3 2859	197 15330	0 313	17 98		
1 82E+00	4 66	0 157	-0 313	3 2859	197 15660	0 313	17 98		
1 82E+00	4 66	0 160	-0 313	3 2860	197 16000	0 313	17 98		
1 82E+00	4 66	0 163	-0 313	3 2861	197 16330	0 313	17 98		
1 82E+00	4 66	0 167	-0 313	3 2861	197 16660	0 313	17 98		
1 82E+00	4 66	0 170	-0 313	3 2862	197 17000	0 313	17 98		
1 82E+00	4 66	0 173	-0 313	3 2862	197 17330	0 313	17 98		
1 82E+00	4 66	0 177	-0 313	3 2863	197 17660	0 313	17 98		
1 82E+00	4 66	0 180	-0 313	3 2863	197 18000	0 313	17 98		
1 82E+00	4 66	0 183	-0 313	3 2864	197 18330	0 313	17 98		
1 82E+00	4 66	0 187	-0 313	3 2864	197 18660	0 313	17 98		
1 82E+00	4 66	0 190	-0 313	3 2865	197 19000	0 313	17 98		
1 82E+00	4 66	0 193	-0 313	3 2866	197 19330	0 313	17 98		
1 82E+00	4 66	0 197	-0 313	3 2866	197 19660	0 313	17 98		
1 82E+00	4 66	0 200	-0 313	3 2867	197 20000	0 313	17 98		
1 82E+00	4 66	0 203	-0 313	3 2867	197 20330	0 313	17 98		
1 82E+00	4 66	0 207	-0 313	3 2868	197 20660	0 313	17 98		
1 82E+00	4 66	0 210	-0 313	3 2868	197 21000	0 313	17 98		
1 82E+00	4 66	0 213	-0 313	3 2869	197 21330	0 313	17 98		
1 82E+00	4 66	0 217	-0 313	3 2869	197 21660	0 313	17 98		
1 82E+00	4 66	0 220	-0 313	3 2870	197 22000	0 313	17 98		
1 82E+00	4 66	0 223	-0 313	3 2871	197 22330	0 313	17 98		
1 82E+00	4 66	0 227	-0 313	3 2871	197 22660	0 313	17 98		
1 82E+00	4 66	0 230	-0 313	3 2872	197 23000	0 313	17 98		
1 82E+00	4 66	0 233	-0 313	3 2872	197 23330	0 313	17 98		
1 82E+00	4 68	0 237	-0 316	3 2873	197 23660	0 316	17 98		
1 84E+00	4 68	0 240	-0 316	3 2873	197 24000	0 316	17 98		
1 84E+00	4 68	0 243	-0 316	3 2874	197 24330	0 316	17 98		
1 84E+00	4 68	0 247	-0 316	3 2874	197 24660	0 316	17 98		
1 82E+00	4 66	0 250	-0 313	3 2875	197 25000	0 313	17 98		
1 84E+00	4 68	0 253	-0 316	3 2876	197 25330	0 316	17 98		
1 84E+00	4 68	0 257	-0 316	3 2876	197 25660	0 316	17 98		
1 84E+00	4 68	0 260	-0 316	3 2877	197 26000	0 316	17 98		
1 84E+00	4 68	0 263	-0 316	3 2877	197 26330	0 316	17 98		
1 84E+00	4 68	0 267	-0 316	3 2878	197 26660	0 316	17 98		
1 84E+00	4 68	0 270	-0 316	3 2878	197 27000	0 316	17 98		
1 84E+00	4 68	0 273	-0 316	3 2879	197 27330	0 316	17 98		
1 84E+00	4 68	0 277	-0 316	3 2879	197 27660	0 316	17 98		
1 84E+00	4 68	0 280	-0 316	3 2880	197 28000	0 316	17 98		
1 84E+00	4 68	0 283	-0 316	3 2881	197 28330	0 316	17 98		
1 84E+00	4 68	0 287	-0 316	3 2881	197 28660	0 316	17 98		
1 84E+00	4 68	0 290	-0 316	3 2882	197 29000	0 316	17 98		
1 84E+00	4 68	0 293	-0 316	3 2882	197 29330	0 316	17 98		
1 84E+00	4 68	0 297	-0 316	3 2883	197 29660	0 316	17 98		
1 84E+00	4 68	0 300	-0 316	3 2883	197 30000	0 316	17 98		
1 84E+00	4 68	0 303	-0 316	3 2884	197 30330	0 316	17 98		
1 84E+00	4 68	0 307	-0 316	3 2884	197 30660	0 316	17 98		
1 84E+00	4 68	0 310	-0 316	3 2885	197 31000	0 316	17 98		
1 84E+00	4 68	0 313	-0 316	3 2886	197 31330	0 316	17 98		
1 84E+00	4 68	0 317	-0 316	3 2886	197 31660	0 316	17 98		
1 84E+00	4 68	0 320	-0 316	3 2887	197 32000	0 316	17 98		
1 84E+00	4 68	0 323	-0 316	3 2887	197 32330	0 316	17 98		
1 84E+00	4 68	0 327	-0 316	3 2888	197 32660	0 316	17 98		
1 84E+00	4 68	0 330	-0 316	3 2888	197 33000	0 316	17 98		
1 84E+00	4 68	0 333	-0 316	3 2889	197 33330	0 316	17 98		
1 84E+00	4 68	0 335	-0 316	3 2892	197 35000	0 316	17 98		
1 84E+00	4 68	0 367	-0 316	3 2894	197 36660	0 316	17 98		
1 84E+00	4 68	0 383	-0 316	3 2897	197 38330	0 316	17 98		
1 84E+00	4 68	0 400	-0 316	3 2900	197 40000	0 316	17 98		
1 84E+00	4 68	0 417	-0 313	3 2903	197 41660	0 313	17 98	1 82E+00	4 66
1 82E+00	4 66	0 433	-0 313	3 2906	197 43330	0 313	17 98	1 82E+00	4 66
1 84E+00	4 68	0 450	-0 316	3 2908	197 45000	0 316	17 98	1 84E+00	4 68
1 84E+00	4 68	0 467	-0 316	3 2911	197 46660	0 316	17 98	1 84E+00	4 68
1 84E+00	4 68	0 483	-0 316	3 2914	197 48330	0 316	17 98	1 84E+00	4 68

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 500	-0 316	3 2917		197 50000	0 316	17 98	1 84E+00	4 68
0 517	-0 319	3 2919		197 51660	0 319	17 98	1 85E+00	4 70
0 533	-0 319	3 2922		197 53330	0 319	17 98	1 85E+00	4 70
0 550	-0 319	3 2925		197 55000	0 319	17 98	1 85E+00	4 70
0 567	-0 322	3 2928		197 56660	0 322	17 97	1 87E+00	4 72
0 583	-0 322	3 2931		197 58330	0 322	17 97	1 87E+00	4 72
0 600	-0 322	3 2933		197 60000	0 322	17 97	1 87E+00	4 72
0 617	-0 322	3 2936		197 61660	0 322	17 97	1 87E+00	4 72
0 633	-0 322	3 2939		197 63330	0 322	17 97	1 87E+00	4 72
0 650	-0 322	3 2942		197 65000	0 322	17 97	1 87E+00	4 72
0 667	-0 322	3 2944		197 66660	0 322	17 97	1 87E+00	4 72
0 683	-0 322	3 2947		197 68330	0 322	17 97	1 87E+00	4 72
0 700	-0 322	3 2950		197 70000	0 322	17 97	1 87E+00	4 72
0 717	-0 322	3 2953		197 71660	0 322	17 97	1 87E+00	4 72
0 733	-0 322	3 2956		197 73330	0 322	17 97	1 87E+00	4 72
0 750	-0 322	3 2958		197 75000	0 322	17 97	1 87E+00	4 72
0 767	-0 322	3 2961		197 76660	0 322	17 97	1 87E+00	4 72
0 783	-0 322	3 2964		197 78330	0 322	17 97	1 87E+00	4 72
0 800	-0 322	3 2967		197 80000	0 322	17 97	1 87E+00	4 72
0 817	-0 322	3 2969		197 81660	0 322	17 97	1 87E+00	4 72
0 833	-0 322	3 2972		197 83330	0 322	17 97	1 87E+00	4 72
0 850	-0 322	3 2975		197 85000	0 322	17 97	1 87E+00	4 72
0 867	-0 322	3 2978		197 86660	0 322	17 97	1 87E+00	4 72
0 883	-0 322	3 2981		197 88330	0 322	17 97	1 87E+00	4 72
0 900	-0 322	3 2983		197 90000	0 322	17 97	1 87E+00	4 72
0 917	-0 322	3 2986		197 91660	0 322	17 97	1 87E+00	4 72
0 933	-0 322	3 2989		197 93330	0 322	17 97	1 87E+00	4 72
0 950	-0 322	3 2992		197 95000	0 322	17 97	1 87E+00	4 72
0 967	-0 322	3 2994		197 96660	0 322	17 97	1 87E+00	4 72
0 983	-0 322	3 2997		197 98330	0 322	17 97	1 87E+00	4 72
1 000	-0 325	3 3000		198 00000	0 325	17 97	1 89E+00	4 73
1 200	-0 319	3 3033		198 20000	0 319	17 98	1 85E+00	4 70
1 400	-0 319	3 3067		198 40000	0 319	17 98	1 85E+00	4 70
1 600	-0 322	3 3100		198 60000	0 322	17 97	1 87E+00	4 72
1 800	-0 322	3 3133		198 80000	0 322	17 97	1 87E+00	4 72
2 000	-0 325	3 3167		199 00000	0 325	17 97	1 89E+00	4 73
2 200	-0 322	3 3200		199 20000	0 322	17 97	1 87E+00	4 72
2 400	-0 325	3 3233		199 40000	0 325	17 97	1 89E+00	4 73
2 600	-0 322	3 3267		199 60000	0 322	17 97	1 87E+00	4 72
2 800	-0 319	3 3300		199 80000	0 319	17 98	1 85E+00	4 70
3 000	-0 322	3 3333		200 00000	0 322	17 97	1 87E+00	4 72
3 200	-0 328	3 3367		200 20000	0 328	17 97	1 90E+00	4 75
3 400	-0 325	3 3400		200 40000	0 325	17 97	1 89E+00	4 73
3 600	-0 322	3 3433		200 60000	0 322	17 97	1 87E+00	4 72
3 800	-0 328	3 3467		200 80000	0 328	17 97	1 90E+00	4 75
4 000	-0 328	3 3500		201 00000	0 328	17 97	1 90E+00	4 75
4 200	-0 332	3 3533		201 20000	0 332	17 96	1 93E+00	4 77
4 400	-0 328	3 3567		201 40000	0 328	17 97	1 90E+00	4 75
4 600	-0 335	3 3600		201 60000	0 335	17 96	1 95E+00	4 79
4 800	-0 344	3 3633		201 80000	0 344	17 95	2 00E+00	4 84
5 000	-0 335	3 3667		202 00000	0 335	17 96	1 95E+00	4 79
5 200	-0 338	3 3700		202 20000	0 338	17 96	1 96E+00	4 81
5 400	-0 332	3 3733		202 40000	0 332	17 96	1 93E+00	4 77
5 600	-0 335	3 3767		202 60000	0 335	17 96	1 95E+00	4 79
5 800	-0 341	3 3800		202 80000	0 341	17 95	1 98E+00	4 83
6 000	-0 338	3 3833		203 00000	0 338	17 96	1 96E+00	4 81
6 200	-0 341	3 3867		203 20000	0 341	17 95	1 98E+00	4 83
6 400	-0 341	3 3900		203 40000	0 341	17 95	1 98E+00	4 83
6 600	-0 338	3 3933		203 60000	0 338	17 96	1 96E+00	4 81
6 800	-0 344	3 3967		203 80000	0 344	17 95	2 00E+00	4 84
7 000	-0 341	3 4000		204 00000	0 341	17 95	1 98E+00	4 83
7 200	-0 347	3 4033		204 20000	0 347	17 95	2 02E+00	4 86
7 400	-0 347	3 4067		204 40000	0 347	17 95	2 02E+00	4 86
7 600	-0 347	3 4100		204 60000	0 347	17 95	2 02E+00	4 86
7 800	-0 347	3 4133		204 80000	0 347	17 95	2 02E+00	4 86
8 000	-0 347	3 4167		205 00000	0 347	17 95	2 02E+00	4 86
8 200	-0 347	3 4200		205 20000	0 347	17 95	2 02E+00	4 86
8 400	-0 351	3 4233		205 40000	0 351	17 94	2 04E+00	4 88
8 600	-0 347	3 4267		205 60000	0 347	17 95	2 02E+00	4 86
8 800	-0 351	3 4300		205 80000	0 351	17 94	2 04E+00	4 88
9 000	-0 351	3 4333		206 00000	0 351	17 94	2 04E+00	4 88
9 200	-0 354	3 4367		206 20000	0 354	17 94	2 06E+00	4 90

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
	9 400	-0 351	3 4400	206 40000	0 351	17 94	2 04E+00	4 88
	9 600	-0 354	3 4433	206 60000	0 354	17 94	2 06E+00	4 90
	9 800	-0 351	3 4467	206 80000	0 351	17 94	2 04E+00	4 88
	10 000	-0 357	3 4500	207 00000	0 357	17 94	2 07E+00	4 92
	12 000	-0 354	3 4833	209 00000	0 354	17 94	2 06E+00	4 90
	14 000	-0 354	3 5167	211 00000	0 354	17 94	2 06E+00	4 90
	16 000	-0 363	3 5500	213 00000	0 363	17 93	2 11E+00	4 95
	18 000	-0 366	3 5833	215 00000	0 366	17 93	2 13E+00	4 97
	20 000	-0 376	3 6167	217 00000	0 376	17 92	2 18E+00	5 03
	22 000	-0 376	3 6500	219 00000	0 376	17 92	2 18E+00	5 03
	24 000	-0 385	3 6833	221 00000	0 385	17 91	2 24E+00	5 08
	26 000	-0 388	3 7167	223 00000	0 388	17 91	2 25E+00	5 10
	28 000	-0 395	3 7500	225 00000	0 395	17 90	2 29E+00	5 14
	30 000	-0 398	3 7833	227 00000	0 398	17 90	2 31E+00	5 16
	32 000	-0 407	3 8167	229 00000	0 407	17 89	2 36E+00	5 21
	34 000	-0 407	3 8500	231 00000	0 407	17 89	2 36E+00	5 21
	36 000	-0 414	3 8833	233 00000	0 414	17 88	2 40E+00	5 25
	38 000	-0 414	3 9167	235 00000	0 414	17 88	2 40E+00	5 25
	40 000	-0 420	3 9500	237 00000	0 420	17 87	2 44E+00	5 29
	42 000	-0 423	3 9833	239 00000	0 423	17 87	2 46E+00	5 30
	44 000	-0 426	4 0167	241 00000	0 426	17 87	2 47E+00	5 32
	46 000	-0 430	4 0500	243 00000	0 430	17 86	2 50E+00	5 34
	48 000	-0 433	4 0833	245 00000	0 433	17 86	2 51E+00	5 36
	50 000	-0 436	4 1167	247 00000	0 436	17 86	2 53E+00	5 38
	52 000	-0 439	4 1500	249 00000	0 439	17 86	2 55E+00	5 40
	54 000	-0 442	4 1833	251 00000	0 442	17 85	2 57E+00	5 41
	56 000	-0 442	4 2167	253 00000	0 442	17 85	2 57E+00	5 41
	58 000	-0 445	4 2500	255 00000	0 445	17 85	2 58E+00	5 43
	60 000	-0 449	4 2833	257 00000	0 449	17 85	2 61E+00	5 45
	62 000	-0 452	4 3167	259 00000	0 452	17 84	2 63E+00	5 47
	64 000	-0 455	4 3500	261 00000	0 455	17 84	2 64E+00	5 49
	66 000	-0 455	4 3833	263 00000	0 455	17 84	2 64E+00	5 49
	68 000	-0 458	4 4167	265 00000	0 458	17 84	2 66E+00	5 51
	70 000	-0 464	4 4500	267 00000	0 464	17 83	2 69E+00	5 54
	72 000	-0 464	4 4833	269 00000	0 464	17 83	2 69E+00	5 54
	74 000	-0 468	4 5167	271 00000	0 468	17 83	2 72E+00	5 56
	76 000	-0 471	4 5500	273 00000	0 471	17 82	2 74E+00	5 58
	78 000	-0 471	4 5833	275 00000	0 471	17 82	2 74E+00	5 58
	80 000	-0 477	4 6167	277 00000	0 477	17 82	2 77E+00	5 62
	82 000	-0 477	4 6500	279 00000	0 477	17 82	2 77E+00	5 62
	84 000	-0 480	4 6833	281 00000	0 480	17 81	2 79E+00	5 63
	86 000	-0 483	4 7167	283 00000	0 483	17 81	2 81E+00	5 65
	88 000	-0 483	4 7500	285 00000	0 483	17 81	2 81E+00	5 65
	90 000	-0 486	4 7833	287 00000	0 486	17 81	2 82E+00	5 67
	92 000	-0 490	4 8167	289 00000	0 490	17 80	2 85E+00	5 69
	94 000	-0 490	4 8500	291 00000	0 490	17 80	2 85E+00	5 69
	96 000	-0 493	4 8833	293 00000	0 493	17 80	2 86E+00	5 71
	98 000	-0 496	4 9167	295 00000	0 496	17 80	2 88E+00	5 73
	100 000	-0 496	4 9500	297 00000	0 496	17 80	2 88E+00	5 73
	120 000	-0 518	5 2833	317 00000	0 518	17 78	3 01E+00	5 85
	140 000	-0 540	5 6167	337 00000	0 540	17 75	3 14E+00	5 98
	160 000	-0 562	5 9500	357 00000	0 562	17 73	3 26E+00	6 11
	180 000	-0 581	6 2833	377 00000	0 581	17 71	3 37E+00	6 22
	200 000	-0 603	6 6167	397 00000	0 603	17 69	3 50E+00	6 35
	220 000	-0 629	6 9500	417 00000	0 629	17 67	3 65E+00	6 50
	240 000	-0 651	7 2833	437 00000	0 651	17 64	3 78E+00	6 63
	260 000	-0 679	7 6167	457 00000	0 679	17 62	3 94E+00	6 79
	280 000	-0 702	7 9500	477 00000	0 702	17 59	4 08E+00	6 92
	300 000	-0 724	8 2833	497 00000	0 724	17 57	4 20E+00	7 05
	320 000	-0 746	8 6167	517 00000	0 746	17 55	4 33E+00	7 18
	340 000	-0 768	8 9500	537 00000	0 768	17 53	4 46E+00	7 31
	360 000	-0 787	9 2833	557 00000	0 787	17 51	4 57E+00	7 42
	380 000	-0 806	9 6167	577 00000	0 806	17 49	4 68E+00	7 53
	400 000	-0 825	9 9500	597 00000	0 825	17 47	4 79E+00	7 64
	420 000	-0 844	10 2833	617 00000	0 844	17 45	4 90E+00	7 75
	440 000	-0 863	10 6167	637 00000	0 863	17 43	5 01E+00	7 86
	460 000	-0 882	10 9500	657 00000	0 882	17 41	5 12E+00	7 97
	480 000	-0 901	11 2833	677 00000	0 901	17 39	5 23E+00	8 08
	500 000	-0 920	11 6167	697 00000	0 920	17 37	5 34E+00	8 19
	520 000	-0 936	11 9500	717 00000	0 936	17 36	5 44E+00	8 28
	540 000	-0 958	12 2833	737 00000	0 958	17 34	5 56E+00	8 41
	560 000	-0 973	12 6167	757 00000	0 973	17 32	5 65E+00	8 50

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)		(liters)	(liters)
580 000	-0 992	12 9500	777 00000	0 992	17 30		5 76E+00	8 61
600 000	-1 008	13 2833	797 00000	1 008	17 29		5 85E+00	8 70
620 000	-1 027	13 6167	817 00000	1 027	17 27		5 96E+00	8 81
640 000	-1 043	13 9500	837 00000	1 043	17 25		6 06E+00	8 90
660 000	-1 059	14 2833	857 00000	1 059	17 24		6 15E+00	9 00
680 000	-1 078	14 6167	877 00000	1 078	17 22		6 26E+00	9 11
700 000	-1 094	14 9500	897 00000	1 094	17 20		6 35E+00	9 20
720 000	-1 109	15 2833	917 00000	1 109	17 19		6 44E+00	9 29
740 000	-1 128	15 6167	937 00000	1 128	17 17		6 55E+00	9 40
760 000	-1 144	15 9500	957 00000	1 144	17 15		6 64E+00	9 49
780 000	-1 160	16 2833	977 00000	1 160	17 13		6 74E+00	9 58
800 000	-1 176	16 6167	997 00000	1 176	17 12		6 83E+00	9 68
820 000	-1 192	16 9500	1017 00000	1 192	17 10		6 92E+00	9 77
840 000	-1 207	17 2833	1037 00000	1 207	17 09		7 01E+00	9 86
860 000	-1 223	17 6167	1057 00000	1 223	17 07		7 10E+00	9 95
880 000	-1 236	17 9500	1077 00000	1 236	17 06		7 18E+00	10 02
900 000	-1 252	18 2833	1097 00000	1 252	17 04		7 27E+00	10 12
920 000	-1 268	18 6167	1117 00000	1 268	17 03		7 36E+00	10 21
940 000	-1 283	18 9500	1137 00000	1 283	17 01		7 45E+00	10 30
960 000	-1 296	19 2833	1157 00000	1 296	17 00		7 53E+00	10 37
980 000	-1 312	19 6167	1177 00000	1 312	16 98		7 62E+00	10 47
1000 000	-1 324	19 9500	1197 00000	1 324	16 97		7 69E+00	10 54
1200 000	-1 457	23 2833	1397 00000	1 457	16 84		8 46E+00	11 31
1400 000	-1 574	26 6167	1597 00000	1 574	16 72		9 14E+00	11 99
1600 000	-1 694	29 9500	1797 00000	1 694	16 60		9 84E+00	12 68
1800 000	-1 796	33 2833	1997 00000	1 796	16 50		1 04E+01	13 28
2000 000	-1 894	36 6167	2197 00000	1 894	16 40		1 10E+01	13 85
2200 000	-1 985	39 9500	2397 00000	1 985	16 31		1 15E+01	14 37
2400 000	-2 071	43 2833	2597 00000	2 071	16 22		1 20E+01	14 87
2600 000	-2 140	46 6167	2797 00000	2 140	16 15		1 24E+01	15 27
2800 000	-2 219	49 9500	2997 00000	2 219	16 08		1 29E+01	15 73
3000 000	-2 292	53 2833	3197 00000	2 292	16 00		1 33E+01	16 16
3200 000	-2 365	56 6167	3397 00000	2 365	15 93		1 37E+01	16 58
3400 000	-2 434	59 9500	3597 00000	2 434	15 86		1 41E+01	16 98
3600 000	-2 498	63 2833	3797 00000	2 498	15 80		1 45E+01	17 35
3800 000	-2 558	66 6167	3997 00000	2 558	15 74		1 49E+01	17 70
4000 000	-2 586	69 9500	4197 00000	2 586	15 71		1 50E+01	17 86
4200 000	-2 624	73 2833	4397 00000	2 624	15 67		1 52E+01	18 09
4400 000	-2 643	76 6167	4597 00000	2 643	15 65		1 53E+01	18 20
4600 000	-2 671	79 9500	4797 00000	2 671	15 62		1 55E+01	18 36
4800 000	-2 687	83 2833	4997 00000	2 687	15 61		1 56E+01	18 45
5000 000	-2 716	86 6167	5197 00000	2 716	15 58		1 58E+01	18 62
5200 000	-2 731	89 9500	5397 00000	2 731	15 56		1 59E+01	18 71
5400 000	-2 735	93 2833	5597 00000	2 735	15 56		1 59E+01	18 73
5600 000	-2 763	96 6167	5797 00000	2 763	15 53		1 60E+01	18 89
5800 000	-2 760	99 9500	5997 00000	2 760	15 53		1 60E+01	18 88
6000 000	-2 779	103 2833	6197 00000	2 779	15 52		1 61E+01	18 99
6200 000	-2 795	106 6167	6397 00000	2 795	15 50		1 62E+01	19 08
6400 000	-2 807	109 9500	6597 00000	2 807	15 49		1 63E+01	19 15
6600 000	-2 820	113 2833	6797 00000	2 820	15 47		1 64E+01	19 22
6800 000	-2 823	116 6167	6997 00000	2 823	15 47		1 64E+01	19 24
7000 000	-2 836	119 9500	7197 00000	2 836	15 46		1 65E+01	19 32
7200 000	-2 852	123 2833	7397 00000	2 852	15 44		1 66E+01	19 41
7400 000	-2 864	126 6167	7597 00000	2 864	15 43		1 66E+01	19 48
7600 000	-2 880	129 9500	7797 00000	2 880	15 41		1 67E+01	19 57
7800 000	-2 893	133 2833	7997 00000	2 893	15 40		1 68E+01	19 65
8000 000	-2 905	136 6167	8197 00000	2 905	15 39		1 69E+01	19 72
8200 000	-2 915	139 9500	8397 00000	2 915	15 38		1 69E+01	19 78
8400 000	-2 924	143 2833	8597 00000	2 924	15 37		1 70E+01	19 83
8600 000	-2 946	146 6167	8797 00000	2 946	15 35		1 71E+01	19 96
8800 000	-2 959	149 9500	8997 00000	2 959	15 34		1 72E+01	20 03
9000 000	-2 972	153 2833	9197 00000	2 972	15 32		1 73E+01	20 11
9200 000	-2 984	156 6167	9397 00000	2 984	15 31		1 73E+01	20 18
9400 000	-2 997	159 9500	9597 00000	2 997	15 30		1 74E+01	20 25
9600 000	-3 010	163 2833	9797 00000	3 010	15 28		1 75E+01	20 33
9800 000	-3 010	166 6167	9997 00000	3 010	15 28		1 75E+01	20 33
10000 000	-3 026	169 9500	10197 00000	3 026	15 27		1 76E+01	20 42
11440 000	-3 117	193 9500	11637 00000	3 117	15 18		1 81E+01	20 95
12880 000	-3 199	217 9500	13077 00000	3 199	15 10		1 86E+01	21 42
14320 000	-3 301	241 9500	14517 00000	3 301	14 99		1 92E+01	22 02
15760 000	-3 370	265 9500	15957 00000	3 370	14 92		1 96E+01	22 42
17200 000	3 462	289 9500	17397 00000	3 462	14 83		2 01E+01	22 95

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
18640 000	-3 553	313 9500	18837 00000	3 553	14 74		2.06E+01	23 48
20080 000	-3 636	337 9500	20277 00000	3 636	14 66		2.11E+01	23 96
21520 000	-3 718	361 9500	21717 00000	3 718	14 58		2.16E+01	24 44
22960 000	-3 806	385 9500	23157 00000	3 806	14 49		2.21E+01	24 95
24400 000	-3 895	409 9500	24597 00000	3 895	14 40		2.26E+01	25 47
25840 000	-3 996	433 9500	26037 00000	3 996	14 30		2.32E+01	26 05
27280 000	-4 094	457 9500	27477 00000	4 094	14 20		2.38E+01	26 62

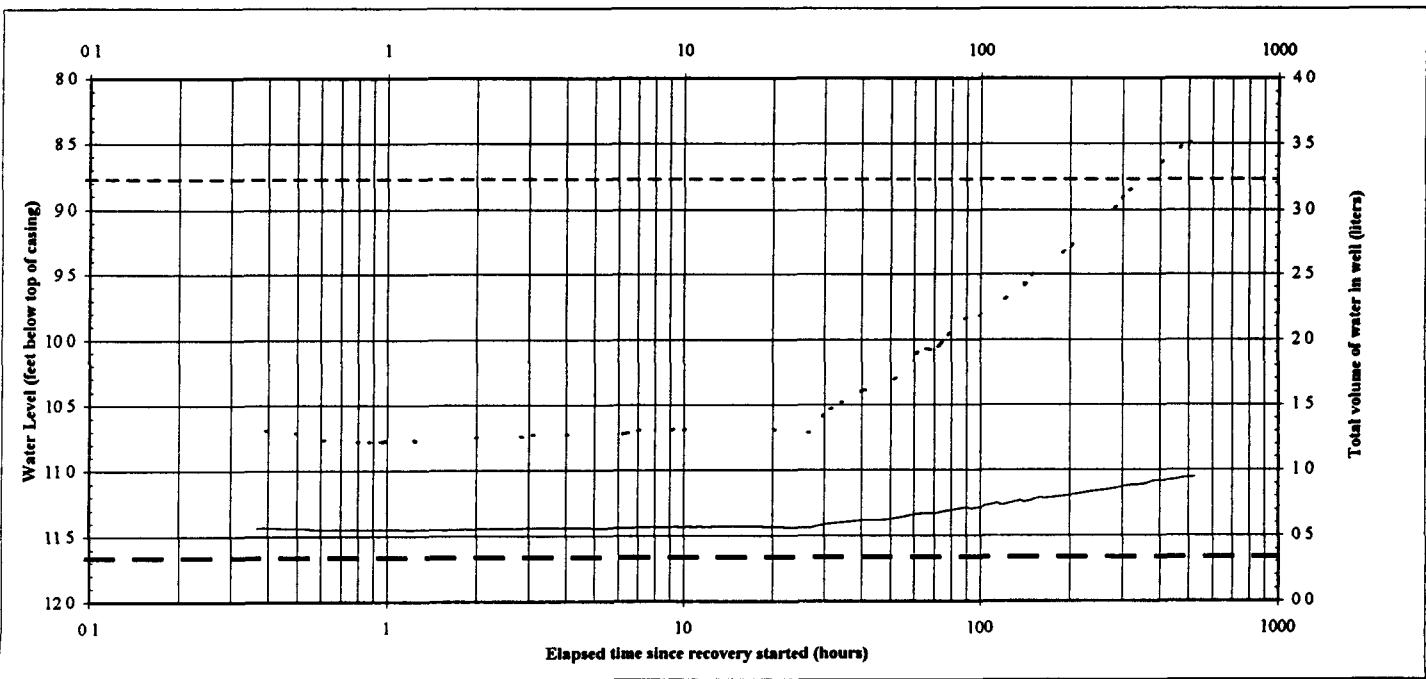
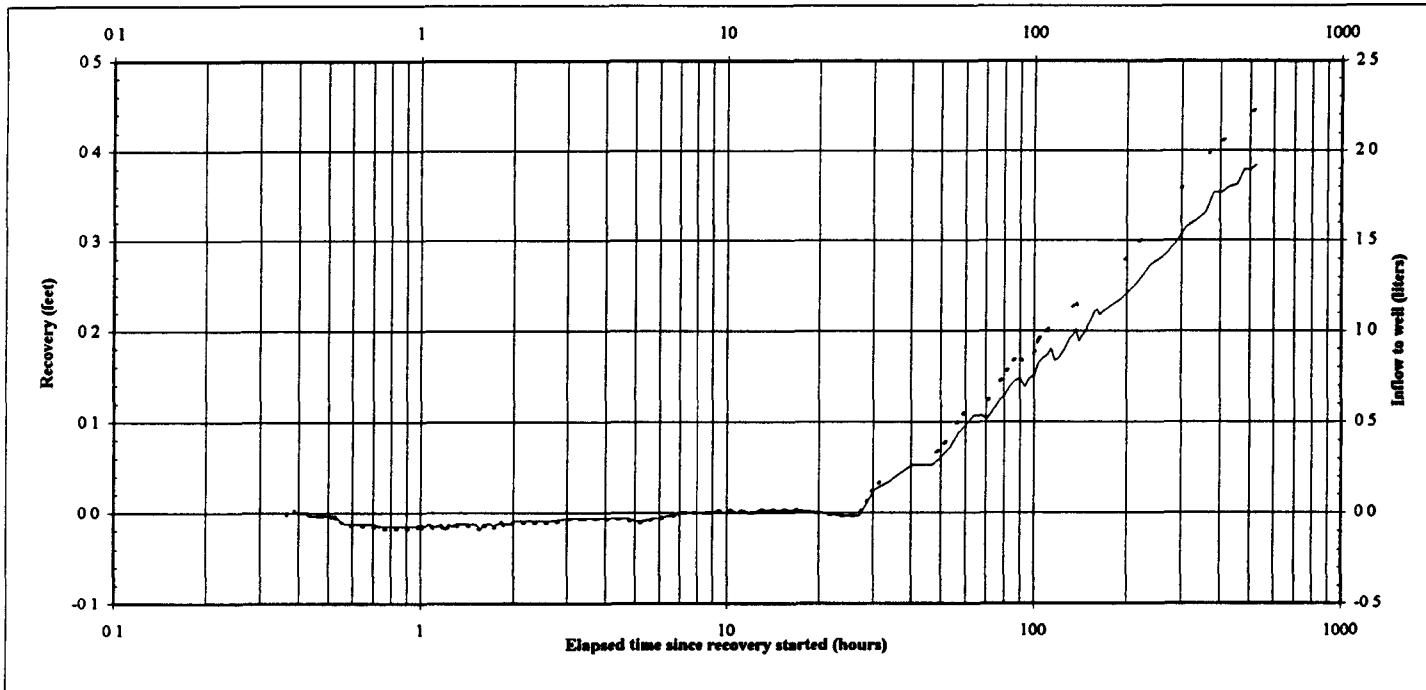
Well No. 75292

Measured recovery after sampling

Date: 18-Aug-94

3rd quarter 1994

Pre-sampling
 - - - - - Static Water Level
 - - - - - Bottom of well
 - - - - - Water Level
 - - - - - Volume



Well No.

75292

Date Sampled

3rd quarter

19-Aug-94

		Delay	22 00	Minutes
Final bail time	12:49			
Set transducer time	13:11			
Static water level (pre-sampling)	8.8	feet below top of casing		
Final water level (post-recovery)	11.1	feet below top of casing		
Last recorded water level	-0.4	feet below transducer		
Transducer reference depth	11.4	feet below top of casing		
Bottom of well	11.7	feet below top of casing		
First recorded water level	0.0	feet below transducer		
First recorded water level	11.4	feet below top of casing		
Water column remaining in casing after purging	0.2	feet		
Volume remaining in casing after purging	1.3	liters		
Well diameter	10.0	inches	0.833	feet
Well radius	5.0	inches	0.417	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.255	feet
Top of sandpack	6.5	feet below top of casing		
			0.62	liters/foot
			5.81	liters/foot

Input data

Transducer (minutes)	Elapsed Time (seconds)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 000	0 000	0 3667	22.00000	0 000	11 44		
0 003	0 003	0 003	0 3667	22 00330	-0 003	11 44	-1 74E-02	1 29
0 007	0 003	0 003	0 3668	22 00660	-0 003	11 44	-1 74E-02	1 29
0 010	0 000	0 000	0 3668	22 01000	0 000	11 44	0 00E+00	1 31
0 013	0 000	0 000	0 3669	22 01330	0 000	11 44	0 00E+00	1 31
0 017	0 000	0 000	0 3669	22 01660	0 000	11 44	0 00E+00	1 31
0 020	0 000	0 000	0 3670	22 02000	0 000	11 44	0 00E+00	1 31
0 023	0 000	0 000	0 3671	22 02330	0 000	11 44	0 00E+00	1 31
0 027	0 000	0 000	0 3671	22 02660	0 000	11 44	0 00E+00	1 31
0 030	0 000	0 000	0 3672	22 03000	0 000	11 44	0 00E+00	1 31
0 033	0 000	0 000	0 3672	22 03330	0 000	11 44	0 00E+00	1 31
0 037	0 000	0 000	0 3673	22 03660	0 000	11 44	0 00E+00	1 31
0 040	0 000	0 000	0 3673	22 04000	0 000	11 44	0 00E+00	1 31
0 043	0 000	0 000	0 3674	22 04330	0 000	11 44	0 00E+00	1 31
0 047	0 000	0 000	0 3674	22 04660	0 000	11 44	0 00E+00	1 31
0 050	0 000	0 000	0 3675	22 05000	0 000	11 44	0 00E+00	1 31
0 053	0 000	0 000	0 3676	22 05330	0 000	11 44	0 00E+00	1 31
0 057	0 000	0 000	0 3676	22 05660	0 000	11 44	0 00E+00	1 31
0 060	0 000	0 000	0 3677	22 06000	0 000	11 44	0 00E+00	1 31
0 063	0 000	0 000	0 3677	22 06330	0 000	11 44	0 00E+00	1 31
0 067	0 000	0 000	0 3678	22 06660	0 000	11 44	0 00E+00	1 31
0 070	0 000	0 000	0 3678	22 07000	0 000	11 44	0 00E+00	1 31
0 073	0 000	0 000	0 3679	22 07330	0 000	11 44	0 00E+00	1 31
0 077	0 000	0 000	0 3679	22 07660	0 000	11 44	0 00E+00	1 31
0 080	0 000	0 000	0 3680	22 08000	0 000	11 44	0 00E+00	1 31
0 083	0 000	0 000	0 3681	22 08330	0 000	11 44	0 00E+00	1 31
0 087	0 000	0 000	0 3681	22 08660	0 000	11 44	0 00E+00	1 31
0 090	0 000	0 000	0 3682	22 09000	0 000	11 44	0 00E+00	1 31
0 093	0 000	0 000	0 3682	22 09330	0 000	11 44	0 00E+00	1 31
0 097	0 000	0 000	0 3683	22 09660	0 000	11 44	0 00E+00	1 31
0 100	0 000	0 000	0 3683	22 10000	0 000	11 44	0 00E+00	1 31
0 103	0 000	0 000	0 3684	22 10330	0 000	11 44	0 00E+00	1 31
0 107	0 000	0 000	0 3684	22 10660	0 000	11 44	0 00E+00	1 31
0 110	0 000	0 000	0 3685	22 11000	0 000	11 44	0 00E+00	1 31
0 113	0 000	0 000	0 3686	22 11330	0 000	11 44	0 00E+00	1 31
0 117	0 000	0 000	0 3686	22 11660	0 000	11 44	0 00E+00	1 31
0 120	0 000	0 000	0 3687	22 12000	0 000	11 44	0 00E+00	1 31
0 123	0 000	0 000	0 3687	22 12330	0 000	11 44	0 00E+00	1 31

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
	0 127	0 000	0 3688	22.12660	0 000	11 44	0 00E+00	1 31
	0 130	0 000	0 3688	22.13000	0 000	11 44	0 00E+00	1 31
	0 133	0 000	0 3689	22.13330	0 000	11 44	0 00E+00	1 31
	0 137	0 000	0 3689	22.13660	0 000	11 44	0 00E+00	1 31
	0 140	0 000	0 3690	22.14000	0 000	11 44	0 00E+00	1 31
	0 143	0 000	0 3691	22.14330	0 000	11 44	0 00E+00	1 31
	0 147	0 000	0 3691	22.14660	0 000	11 44	0 00E+00	1 31
	0 150	0 000	0 3692	22.15000	0 000	11 44	0 00E+00	1 31
	0 153	0 000	0 3692	22.15330	0 000	11 44	0 00E+00	1 31
	0 157	0 000	0 3693	22.15660	0 000	11 44	0 00E+00	1 31
	0 160	0 000	0 3693	22.16000	0 000	11 44	0 00E+00	1 31
	0 163	0 000	0 3694	22.16330	0 000	11 44	0 00E+00	1 31
	0 167	0 000	0 3694	22.16660	0 000	11 44	0 00E+00	1 31
	0 170	0 000	0 3695	22.17000	0 000	11 44	0 00E+00	1 31
	0 173	0 000	0 3696	22.17330	0 000	11 44	0 00E+00	1 31
	0 177	0 000	0 3696	22.17660	0 000	11 44	0 00E+00	1 31
	0 180	0 000	0 3697	22.18000	0 000	11 44	0 00E+00	1 31
	0 183	0 000	0 3697	22.18330	0 000	11 44	0 00E+00	1 31
	0 187	0 000	0 3698	22.18660	0 000	11 44	0 00E+00	1 31
	0 190	0 000	0 3698	22.19000	0 000	11 44	0 00E+00	1 31
	0 193	0 000	0 3699	22.19330	0 000	11 44	0 00E+00	1 31
	0 197	0 000	0 3699	22.19660	0 000	11 44	0 00E+00	1 31
	0 200	0 000	0 3700	22.20000	0 000	11 44	0 00E+00	1 31
	0 203	0 000	0 3701	22.20330	0 000	11 44	0 00E+00	1 31
	0 207	0 000	0 3701	22.20660	0 000	11 44	0 00E+00	1 31
	0 210	0 000	0 3702	22.21000	0 000	11 44	0 00E+00	1 31
	0 213	0 000	0 3702	22.21330	0 000	11 44	0 00E+00	1 31
	0 217	0 000	0 3703	22.21660	0 000	11 44	0 00E+00	1 31
	0 220	0 000	0 3703	22.22000	0 000	11 44	0 00E+00	1 31
	0 223	0 000	0 3704	22.22330	0 000	11 44	0 00E+00	1 31
	0 227	0 000	0 3704	22.22660	0 000	11 44	0 00E+00	1 31
	0 230	0 000	0 3705	22.23000	0 000	11 44	0 00E+00	1 31
	0 233	0 000	0 3706	22.23330	0 000	11 44	0 00E+00	1 31
	0 237	0 000	0 3706	22.23660	0 000	11 44	0 00E+00	1 31
	0 240	0 000	0 3707	22.24000	0 000	11 44	0 00E+00	1 31
	0 243	0 000	0 3707	22.24330	0 000	11 44	0 00E+00	1 31
	0 247	0 000	0 3708	22.24660	0 000	11 44	0 00E+00	1 31
	0 250	0 000	0 3708	22.25000	0 000	11 44	0 00E+00	1 31
	0 253	0 000	0 3709	22.25330	0 000	11 44	0 00E+00	1 31
	0 257	0 000	0 3709	22.25660	0 000	11 44	0 00E+00	1 31
	0 260	0 000	0 3710	22.26000	0 000	11 44	0 00E+00	1 31
	0 263	0 000	0 3711	22.26330	0 000	11 44	0 00E+00	1 31
	0 267	0 000	0 3711	22.26660	0 000	11 44	0 00E+00	1 31
	0 270	0 000	0 3712	22.27000	0 000	11 44	0 00E+00	1 31
	0 273	0 000	0 3712	22.27330	0 000	11 44	0 00E+00	1 31
	0 277	0 000	0 3713	22.27660	0 000	11 44	0 00E+00	1 31
	0 280	0 000	0 3713	22.28000	0 000	11 44	0 00E+00	1 31
	0 283	0 000	0 3714	22.28330	0 000	11 44	0 00E+00	1 31
	0 287	0 000	0 3714	22.28660	0 000	11 44	0 00E+00	1 31
	0 290	0 000	0 3715	22.29000	0 000	11 44	0 00E+00	1 31
	0 293	0 000	0 3716	22.29330	0 000	11 44	0 00E+00	1 31
	0 297	0 000	0 3716	22.29660	0 000	11 44	0 00E+00	1 31
	0 300	0 000	0 3717	22.30000	0 000	11 44	0 00E+00	1 31
	0 303	0 000	0 3717	22.30330	0 000	11 44	0 00E+00	1 31
	0 307	0 000	0 3718	22.30660	0 000	11 44	0 00E+00	1 31
	0 310	0 000	0 3718	22.31000	0 000	11 44	0 00E+00	1 31
	0 313	0 000	0 3719	22.31330	0 000	11 44	0 00E+00	1 31
	0 317	0 000	0 3719	22.31660	0 000	11 44	0 00E+00	1 31
	0 320	0 000	0 3720	22.32000	0 000	11 44	0 00E+00	1 31
	0 323	0 000	0 3721	22.32330	0 000	11 44	0 00E+00	1 31
	0 327	0 000	0 3721	22.32660	0 000	11 44	0 00E+00	1 31
	0 330	0 000	0 3722	22.33000	0 000	11 44	0 00E+00	1 31
	0 333	0 000	0 3722	22.33330	0 000	11 44	0 00E+00	1 31
	0 350	0 000	0 3725	22.35000	0 000	11 44	0 00E+00	1 31
	0 367	0 000	0 3728	22.36660	0 000	11 44	0 00E+00	1 31
	0 383	0 000	0 3731	22.38330	0 000	11 44	0 00E+00	1 31
	0 400	0 000	0 3733	22.40000	0 000	11 44	0 00E+00	1 31
	0 417	0 000	0 3736	22.41660	0 000	11 44	0 00E+00	1 31
	0 433	0 000	0 3739	22.43330	0 000	11 44	0 00E+00	1 31
	0 450	0 000	0 3742	22.45000	0 000	11 44	0 00E+00	1 31
	0 467	0 000	0 3744	22.46660	0 000	11 44	0 00E+00	1 31
	0 483	0 000	0 3747	22.48330	0 000	11 44	0 00E+00	1 31

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
0 500		0 000	0 3750	22 50000	0 000	11 44	0 00E+00	1 31
0 517		0 000	0 3753	22 51660	0 000	11 44	0 00E+00	1 31
0 533		0 000	0 3756	22 53330	0 000	11 44	0 00E+00	1 31
0 550		0 000	0 3758	22 55000	0 000	11 44	0 00E+00	1 31
0 567		0 000	0 3761	22 56660	0 000	11 44	0 00E+00	1 31
0 583		0 000	0 3764	22 58330	0 000	11 44	0 00E+00	1 31
0 600		0 000	0 3767	22 60000	0 000	11 44	0 00E+00	1 31
0 617		0 000	0 3769	22 61660	0 000	11 44	0 00E+00	1 31
0 633		0 000	0 3772	22 63330	0 000	11 44	0 00E+00	1 31
0 650		0 000	0 3775	22 65000	0 000	11 44	0 00E+00	1 31
0 667		0 000	0 3778	22 66660	0 000	11 44	0 00E+00	1 31
0 683		0 000	0 3781	22 68330	0 000	11 44	0 00E+00	1 31
0 700		0 000	0 3783	22 70000	0 000	11 44	0 00E+00	1 31
0 717		0 000	0 3786	22 71660	0 000	11 44	0 00E+00	1 31
0 733		0 000	0 3789	22 73330	0 000	11 44	0 00E+00	1 31
0 750		0 000	0 3792	22 75000	0 000	11 44	0 00E+00	1 31
0 767		0 000	0 3794	22 76660	0 000	11 44	0 00E+00	1 31
0 783		0 000	0 3797	22 78330	0 000	11 44	0 00E+00	1 31
0 800		0 000	0 3800	22 80000	0 000	11 44	0 00E+00	1 31
0 817		0 000	0 3803	22 81660	0 000	11 44	0 00E+00	1 31
0 833		0 000	0 3806	22 83330	0 000	11 44	0 00E+00	1 31
0 850		0 000	0 3808	22 85000	0 000	11 44	0 00E+00	1 31
0 867		0 000	0 3811	22 86660	0 000	11 44	0 00E+00	1 31
0 883		0 000	0 3814	22 88330	0 000	11 44	0 00E+00	1 31
0 900		0 000	0 3817	22 90000	0 000	11 44	0 00E+00	1 31
0 917		0 000	0 3819	22 91660	0 000	11 44	0 00E+00	1 31
0 933		0 000	0 3822	22 93330	0 000	11 44	0 00E+00	1 31
0 950		0 000	0 3825	22 95000	0 000	11 44	0 00E+00	1 31
0 967		0 000	0 3828	22 96660	0 000	11 44	0 00E+00	1 31
0 983		0 000	0 3831	22 98330	0 000	11 44	0 00E+00	1 31
1 000		0 000	0 3833	23 00000	0 000	11 44	0 00E+00	1 31
1 200	-0 003	0 3867	23 20000	0 003	11 43	1 74E-02	1 32	
1 400		0 000	0 3900	23 40000	0 000	11 44	0 00E+00	1 31
1 600		0 000	0 3933	23 60000	0 000	11 44	0 00E+00	1 31
1 800		0 000	0 3967	23 80000	0 000	11 44	0 00E+00	1 31
2 000		0 000	0 4000	24 00000	0 000	11 44	0 00E+00	1 31
2 200		0 000	0 4033	24 20000	0 000	11 44	0 00E+00	1 31
2 400		0 000	0 4067	24 40000	0 000	11 44	0 00E+00	1 31
2 600		0 000	0 4100	24 60000	0 000	11 44	0 00E+00	1 31
2 800		0 000	0 4133	24 80000	0 000	11 44	0 00E+00	1 31
3 000		0 000	0 4167	25 00000	0 000	11 44	0 00E+00	1 31
3 200		0 000	0 4200	25 20000	0 000	11 44	0 00E+00	1 31
3 400		0 000	0 4233	25 40000	0 000	11 44	0 00E+00	1 31
3 600		0 000	0 4267	25 60000	0 000	11 44	0 00E+00	1 31
3 800		0 003	0 4300	25 80000	-0 003	11 44	-1 74E-02	1 29
4 000		0 000	0 4333	26 00000	0 000	11 44	0 00E+00	1 31
4 200		0 003	0 4367	26 20000	-0 003	11 44	-1 74E-02	1 29
4 400		0 003	0 4400	26 40000	-0 003	11 44	-1 74E-02	1 29
4 600		0 003	0 4433	26 60000	-0 003	11 44	-1 74E-02	1 29
4 800		0 003	0 4467	26 80000	-0 003	11 44	-1 74E-02	1 29
5 000		0 003	0 4500	27 00000	-0 003	11 44	-1 74E-02	1 29
5 200		0 003	0 4533	27 20000	-0 003	11 44	-1 74E-02	1 29
5 400		0 003	0 4567	27 40000	-0 003	11 44	-1 74E-02	1 29
5 600		0 003	0 4600	27 60000	-0 003	11 44	-1 74E-02	1 29
5 800		0 003	0 4633	27 80000	-0 003	11 44	-1 74E-02	1 29
6 000		0 003	0 4667	28 00000	-0 003	11 44	-1 74E-02	1 29
6 200		0 003	0 4700	28 20000	-0 003	11 44	-1 74E-02	1 29
6 400		0 003	0 4733	28 40000	-0 003	11 44	-1 74E-02	1 29
6 600		0 003	0 4767	28 60000	-0 003	11 44	-1 74E-02	1 29
6 800		0 003	0 4800	28 80000	-0 003	11 44	-1 74E-02	1 29
7 000		0 003	0 4833	29 00000	-0 003	11 44	-1 74E-02	1 29
7 200		0 003	0 4867	29 20000	-0 003	11 44	-1 74E-02	1 29
7 400		0 003	0 4900	29 40000	-0 003	11 44	-1 74E-02	1 29
7 600		0 003	0 4933	29 60000	-0 003	11 44	1 74E-02	1 29
7 800		0 003	0 4967	29 80000	-0 003	11 44	-1 74E-02	1 29
8 000		0 003	0 5000	30 00000	-0 003	11 44	-1 74E-02	1 29
8 200		0 003	0 5033	30 20000	-0 003	11 44	-1 74E-02	1 29
8 400		0 003	0 5067	30 40000	-0 003	11 44	-1 74E-02	1 29
8 600		0 003	0 5100	30 60000	-0 003	11 44	-1 74E-02	1 29
8 800		0 006	0 5133	30 80000	-0 006	11 44	-3 48E-02	1 27
9 000		0 003	0 5167	31 00000	-0 003	11 44	-1 74E-02	1 29
9 200		0 003	0 5200	31 20000	-0 003	11 44	-1 74E-02	1 29

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)		(Feet of water)	(ftc)	(liters)	(liters)
9 400	0 006	0 5233	31 40000	-0 006	11 44	-3 48E-02	1 27	
9 600	0 003	0 5267	31 60000	-0 003	11 44	-1 74E-02	1 29	
9 800	0 006	0 5300	31 80000	-0 006	11 44	-3 48E-02	1 27	
10 000	0 006	0 5333	32 00000	-0 006	11 44	-3 48E-02	1 27	
12 000	0 012	0 5667	34 00000	-0 012	11 45	-6 97E-02	1 24	
14 000	0 012	0 6000	36 00000	-0 012	11 45	-6 97E-02	1 24	
16 000	0 012	0 6333	38 00000	-0 012	11 45	-6 97E-02	1 24	
18 000	0 012	0 6667	40 00000	-0 012	11 45	-6 97E-02	1 24	
20 000	0 012	0 7000	42 00000	-0 012	11 45	-6 97E-02	1 24	
22 000	0 015	0 7333	44 00000	-0 015	11 45	-8 71E-02	1 22	
24 000	0 015	0 7667	46 00000	-0 015	11 45	-8 71E-02	1 22	
26 000	0 015	0 8000	48 00000	-0 015	11 45	-8 71E-02	1 22	
28 000	0 015	0 8333	50 00000	-0 015	11 45	-8 71E-02	1 22	
30 000	0 015	0 8667	52 00000	-0 015	11 45	-8 71E-02	1 22	
32 000	0 015	0 9000	54 00000	-0 015	11 45	-8 71E-02	1 22	
34 000	0 015	0 9333	56 00000	-0 015	11 45	-8 71E-02	1 22	
36 000	0 015	0 9667	58 00000	-0 015	11 45	-8 71E-02	1 22	
38 000	0 012	1 0000	60 00000	-0 012	11 45	-6 97E-02	1 24	
40 000	0 015	1 0333	62 00000	-0 015	11 45	-8 71E-02	1 22	
42 000	0 012	1 0667	64 00000	-0 012	11 45	-6 97E-02	1 24	
44 000	0 015	1 1000	66 00000	-0 015	11 45	-8 71E-02	1 22	
46 000	0 015	1 1333	68 00000	-0 015	11 45	-8 71E-02	1 22	
48 000	0 012	1 1667	70 00000	-0 012	11 45	-6 97E-02	1 24	
50 000	0 018	1 2000	72 00000	-0 018	11 45	-1 05E-01	1 20	
52 000	0 012	1 2333	74 00000	-0 012	11 45	-6 97E-02	1 24	
54 000	0 015	1 2667	76 00000	-0 015	11 45	-8 71E-02	1 22	
56 000	0 012	1 3000	78 00000	-0 012	11 45	-6 97E-02	1 24	
58 000	0 012	1 3333	80 00000	-0 012	11 45	-6 97E-02	1 24	
60 000	0 012	1 3667	82 00000	-0 012	11 45	-6 97E-02	1 24	
62 000	0 012	1 4000	84 00000	-0 012	11 45	-6 97E-02	1 24	
64 000	0 012	1 4333	86 00000	-0 012	11 45	-6 97E-02	1 24	
66 000	0 012	1 4667	88 00000	-0 012	11 45	-6 97E-02	1 24	
68 000	0 012	1 5000	90 00000	-0 012	11 45	-6 97E-02	1 24	
70 000	0 015	1 5333	92 00000	-0 015	11 45	-8 71E-02	1 22	
72 000	0 018	1 5667	94 00000	-0 018	11 45	-1 05E-01	1 20	
74 000	0 012	1 6000	96 00000	-0 012	11 45	-6 97E-02	1 24	
76 000	0 012	1 6333	98 00000	-0 012	11 45	-6 97E-02	1 24	
78 000	0 012	1 6667	100 00000	-0 012	11 45	-6 97E-02	1 24	
80 000	0 012	1 7000	102 00000	-0 012	11 45	-6 97E-02	1 24	
82 000	0 015	1 7333	104 00000	-0 015	11 45	-8 71E-02	1 22	
84 000	0 012	1 7667	106 00000	-0 012	11 45	-6 97E-02	1 24	
86 000	0 012	1 8000	108 00000	-0 012	11 45	-6 97E-02	1 24	
88 000	0 009	1 8333	110 00000	-0 009	11 44	-5 23E-02	1 25	
90 000	0 012	1 8667	112 00000	-0 012	11 45	-6 97E-02	1 24	
92 000	0 012	1 9000	114 00000	-0 012	11 45	-6 97E-02	1 24	
94 000	0 012	1 9333	116 00000	-0 012	11 45	-6 97E-02	1 24	
96 000	0 012	1 9667	118 00000	-0 012	11 45	-6 97E-02	1 24	
98 000	0 009	2 0000	120 00000	-0 009	11 44	-5 23E-02	1 25	
100 000	0 009	2 0333	122 00000	-0 009	11 44	-5 23E-02	1 25	
120 000	0 009	2 3667	142 00000	-0 009	11 44	-5 23E-02	1 25	
140 000	0 009	2 7000	162 00000	-0 009	11 44	-5 23E-02	1 25	
160 000	0 006	3 0333	182 00000	-0 006	11 44	-3 48E-02	1 27	
180 000	0 006	3 3667	202 00000	-0 006	11 44	-3 48E-02	1 27	
200 000	0 006	3 7000	222 00000	-0 006	11 44	-3 48E-02	1 27	
220 000	0 006	4 0333	242 00000	-0 006	11 44	-3 48E-02	1 27	
240 000	0 006	4 3667	262 00000	-0 006	11 44	-3 48E-02	1 27	
260 000	0 006	4 7000	282 00000	-0 006	11 44	-3 48E-02	1 27	
280 000	0 009	5 0333	302 00000	-0 009	11 44	-5 23E-02	1 25	
300 000	0 009	5 3667	322 00000	-0 009	11 44	-5 23E-02	1 25	
320 000	0 006	5 7000	342 00000	-0 006	11 44	-3 48E-02	1 27	
340 000	0 006	6 0333	362 00000	-0 006	11 44	-3 48E-02	1 27	
360 000	0 003	6 3667	382 00000	-0 003	11 44	-1 74E-02	1 29	
380 000	0 003	6 7000	402 00000	-0 003	11 44	-1 74E-02	1 29	
400 000	0 000	7 0333	422 00000	0 000	11 44	0 00E+00	1 31	
420 000	0 000	7 3667	442 00000	0 000	11 44	0 00E+00	1 31	
440 000	0 000	7 7000	462 00000	0 000	11 44	0 00E+00	1 31	
460 000	0 000	8 0333	482 00000	0 000	11 44	0 00E+00	1 31	
480 000	0 000	8 3667	502 00000	0 000	11 44	0 00E+00	1 31	
500 000	0 000	8 7000	522 00000	0 000	11 44	0 00E+00	1 31	
520 000	0 000	9 0333	542 00000	0 000	11 44	0 00E+00	1 31	
540 000	-0 003	9 3667	562 00000	0 003	11 43	1 74E-02	1 32	
560 000	0 000	9 7000	582 00000	0 000	11 44	0 00E+00	1 31	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
(minutes)	(feet)	(hours)		(minutes)	(Feet of water)	(fbtc)		
580 000	0 000	10 0333	602 00000	0 000	11 44		0 00E+00	1 31
600 000	-0 003	10 3667	622 00000	0 003	11 43		1 74E-02	1 32
620 000	0 000	10 7000	642 00000	0 000	11 44		0 00E+00	1 31
640 000	0 000	11 0333	662 00000	0 000	11 44		0 00E+00	1 31
660 000	-0 003	11 3667	682 00000	0 003	11 43		1 74E-02	1 32
680 000	0 000	11 7000	702 00000	0 000	11 44		0 00E+00	1 31
700 000	0 000	12 0333	722 00000	0 000	11 44		0 00E+00	1 31
720 000	0 000	12 3667	742 00000	0 000	11 44		0 00E+00	1 31
740 000	-0 003	12 7000	762 00000	0 003	11 43		1 74E-02	1 32
760 000	-0 003	13 0333	782 00000	0 003	11 43		1 74E-02	1 32
780 000	-0 003	13 3667	802 00000	0 003	11 43		1 74E-02	1 32
800 000	-0 003	13 7000	822 00000	0 003	11 43		1 74E-02	1 32
820 000	-0 003	14 0333	842 00000	0 003	11 43		1 74E-02	1 32
840 000	-0 003	14 3667	862 00000	0 003	11 43		1 74E-02	1 32
860 000	-0 003	14 7000	882 00000	0 003	11 43		1 74E-02	1 32
880 000	-0 003	15 0333	902 00000	0 003	11 43		1 74E-02	1 32
900 000	-0 003	15 3667	922 00000	0 003	11 43		1 74E-02	1 32
920 000	-0 003	15 7000	942 00000	0 003	11 43		1 74E-02	1 32
940 000	-0 003	16 0333	962 00000	0 003	11 43		1 74E-02	1 32
960 000	-0 003	16 3667	982 00000	0 003	11 43		1 74E-02	1 32
980 000	-0 003	16 7000	1002 00000	0 003	11 43		1 74E-02	1 32
1000 000	-0 003	17 0333	1022 00000	0 003	11 43		1 74E-02	1 32
1200 000	0 000	20 3667	1222 00000	0 000	11 44		0 00E+00	1 31
1400 000	0 003	23 7000	1422 00000	-0 003	11 44		-1 74E-02	1 29
1600 000	0 003	27 0333	1622 00000	-0 003	11 44		-1 74E-02	1 29
1800 000	-0 025	30 3667	1822 00000	0 025	11 41		1 43E-01	1 45
2000 000	-0 034	33 7000	2022 00000	0 034	11 40		1 97E-01	1 50
2200 000	-0 044	37 0333	2222 00000	0 044	11 39		2 56E-01	1 56
2400 000	-0 053	40 3667	2422 00000	0 053	11 38		3 08E-01	1 61
2600 000	-0 053	43 7000	2622 00000	0 053	11 38		3 08E-01	1 61
2800 000	-0 053	47 0333	2822 00000	0 053	11 38		3 08E-01	1 61
3000 000	-0 063	50 3667	3022 00000	0 063	11 37		3 66E-01	1 67
3200 000	-0 072	53 7000	3222 00000	0 072	11 36		4 18E-01	1 72
3400 000	-0 088	57 0333	3422 00000	0 088	11 35		5 11E-01	1 82
3600 000	-0 097	60 3667	3622 00000	0 097	11 34		5 63E-01	1 87
3800 000	-0 107	63 7000	3822 00000	0 107	11 33		6 21E-01	1 93
4000 000	-0 107	67 0333	4022 00000	0 107	11 33		6 21E-01	1 93
4200 000	-0 104	70 3667	4222 00000	0 104	11 33		6 04E-01	1 91
4400 000	-0 113	73 7000	4422 00000	0 113	11 32		6 56E-01	1 96
4600 000	-0 123	77 0333	4622 00000	0 123	11 31		7 14E-01	2 02
4800 000	-0 129	80 3667	4822 00000	0 129	11 31		7 49E-01	2 06
5000 000	-0 139	83 7000	5022 00000	0 139	11 30		8 07E-01	2 11
5200 000	-0 145	87 0333	5222 00000	0 145	11 29		8 42E-01	2 15
5400 000	-0 148	90 3667	5422 00000	0 148	11 29		8 60E-01	2 17
5600 000	-0 139	93 7000	5622 00000	0 139	11 30		8 07E-01	2 11
5800 000	-0 148	97 0333	5822 00000	0 148	11 29		8 60E-01	2 17
6000 000	-0 151	100 3667	6022 00000	0 151	11 28		8 77E-01	2 18
6200 000	-0 164	103 7000	6222 00000	0 164	11 27		9 52E-01	2 26
6400 000	-0 170	107 0333	6422 00000	0 170	11 27		9 87E-01	2 29
6600 000	-0 173	110 3667	6622 00000	0 173	11 26		1 00E+00	2 31
6800 000	-0 180	113 7000	6822 00000	0 180	11 26		1 05E+00	2 35
7000 000	-0 167	117 0333	7022 00000	0 167	11 27		9 70E-01	2 28
7200 000	-0 170	120 3667	7222 00000	0 170	11 27		9 87E-01	2 29
7400 000	-0 176	123 7000	7422 00000	0 176	11 26		1 02E+00	2 33
7600 000	-0 183	127 0333	7622 00000	0 183	11 25		1 06E+00	2 37
7800 000	-0 192	130 3667	7822 00000	0 192	11 24		1 12E+00	2 42
8000 000	-0 195	133 7000	8022 00000	0 195	11 24		1 13E+00	2 44
8200 000	-0 202	137 0333	8222 00000	0 202	11 23		1 17E+00	2 48
8400 000	-0 189	140 3667	8422 00000	0 189	11 25		1 10E+00	2 40
8600 000	-0 195	143 7000	8622 00000	0 195	11 24		1 13E+00	2 44
8800 000	-0 199	147 0333	8822 00000	0 199	11 24		1 16E+00	2 46
9000 000	-0 208	150 3667	9022 00000	0 208	11 23		1 21E+00	2 51
9200 000	-0 214	153 7000	9222 00000	0 214	11 22		1 24E+00	2 55
9400 000	-0 221	157 0333	9422 00000	0 221	11 21		1 28E+00	2 59
9600 000	-0 224	160 3667	9622 00000	0 224	11 21		1 30E+00	2 61
9800 000	-0 218	163 7000	9822 00000	0 218	11 22		1 27E+00	2 57
10000 000	-0 221	167 0333	10022 00000	0 221	11 21		1 28E+00	2 59
11440 000	-0 236	191 0333	11462 00000	0 236	11 20		1 37E+00	2 68
12880 000	-0 252	215 0333	12902 00000	0 252	11 18		1 46E+00	2 77
14320 000	-0 274	239 0333	14342 00000	0 274	11 16		1 59E+00	2 90
15760 000	-0 284	263 0333	15782 00000	0 284	11 15		1 65E+00	2 96
17200 000	-0 297	287 0333	17222 00000	0 297	11 14		1 72E+00	3 03

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)		
18640 000	-0 315	311 0333	18662.00000	0 315	11 12		1 83E+00	3 14
20080 000	-0 322	335 0333	20102.00000	0 322	11 11		1 87E+00	3 18
21520 000	-0 331	359 0333	21542.00000	0 331	11 10		1 92E+00	3 23
22960 000	-0 353	383 0333	22982.00000	0 353	11 08		2 05E+00	3 36
24400 000	-0 353	407 0333	24422.00000	0 353	11 08		2 05E+00	3 36
25840 000	-0 360	431 0333	25862.00000	0 360	11 08		2 09E+00	3 40
27280 000	-0 363	455 0333	27302.00000	0 363	11 07		2 11E+00	3 41
28720 000	-0 379	479 0333	28742.00000	0 379	11 06		2 20E+00	3 51
30160 000	-0 379	503 0333	30182.00000	0 379	11 06		2 20E+00	3 51
31600 000	-0 385	527 0333	31622.00000	0 385	11 05		2 24E+00	3 54

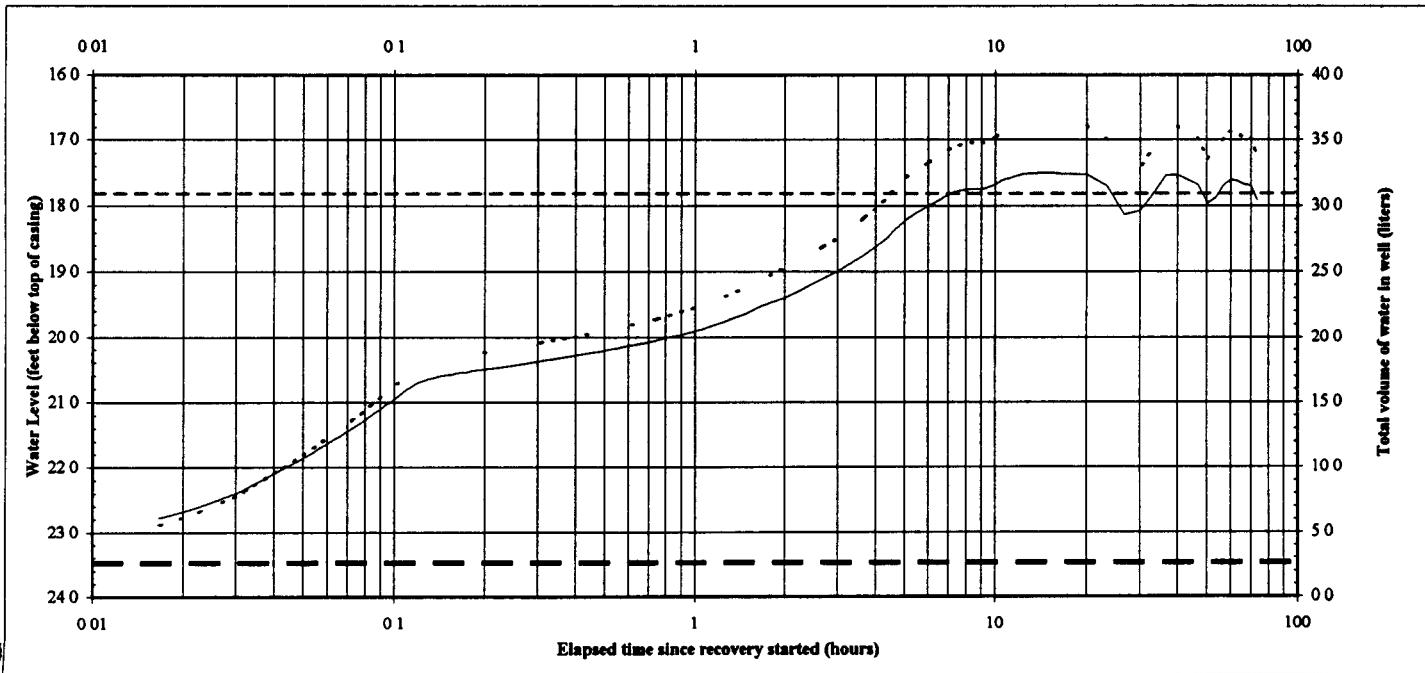
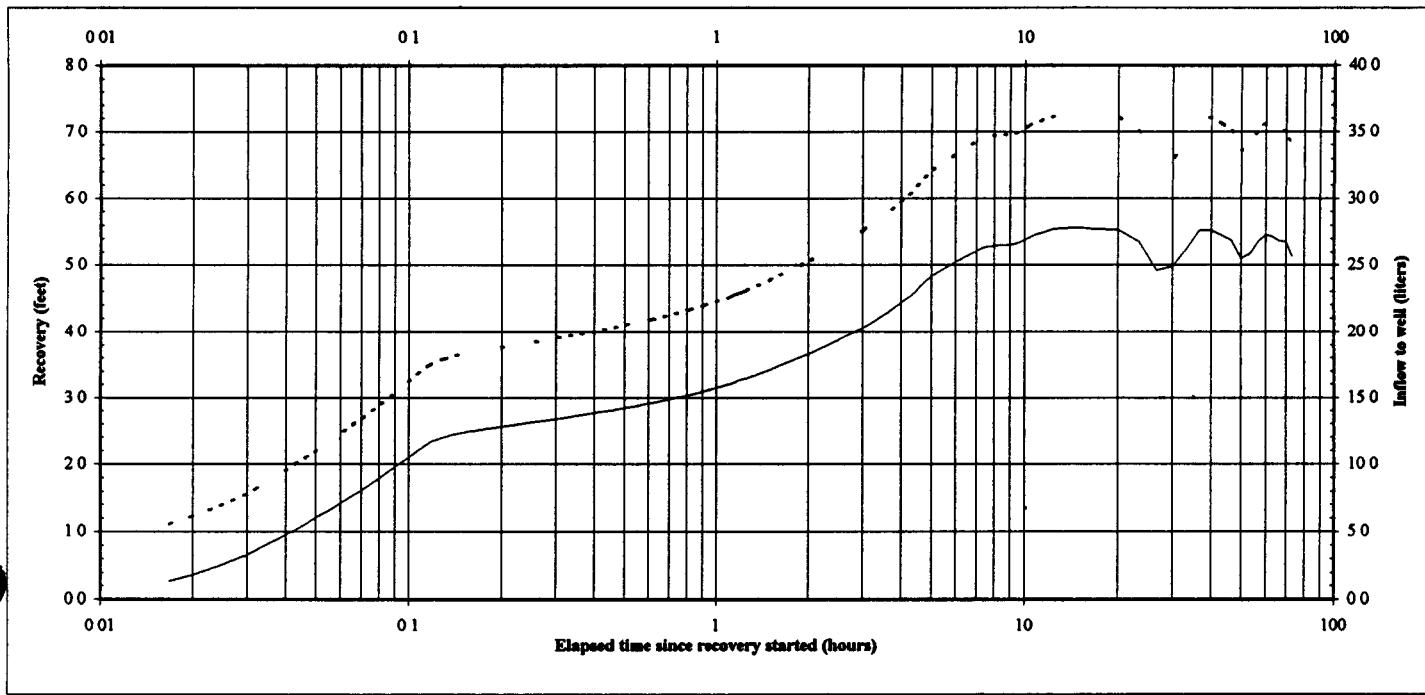
Well No. 76292

Measured recovery after sampling

Date: 29-Aug-94

3rd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - - Bottom of well
 - - - - - Water Level
 - - - - - Volume



Well No.

76292

Date Sampled

3rd quarter
29-Aug-94

			Delay	1 00	Minutes
Final bail time	9:27				
Set transducer time	9:28				
Static water level (pre-sampling)	17.8	feet below top of casing			
Final water level (post-recovery)	17.9	feet below top of casing			
Last recorded water level	18.1	feet below transducer			
Transducer Reference Depth	23.1	feet below top of casing			
Bottom of well	23.1	feet below top of casing			
First recorded water level	23.3	feet below transducer			
First recorded water level	22.8	feet below top of casing			
Water column remaining in casing after purging	0.7	feet			
Volume remaining in casing after purging	4.0	liters			
Well diameter	10.0	inches	0.833	feet	
Well radius	5.0	inches	0.417	feet	
Casing diameter	2.8	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	3.1	inches	0.255	feet	
Top of sandpack	8.8	feet below top of casing			
				0.62	liters/foot
				5.81	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 0167	-0.270	1 00000	0.270	22.78		
0 003	0 0167	-0.273	1 00330	0.273	22.78	1 59E+00	5.57
0 007	0 0168	-0.276	1 00660	0.276	22.78	1 60E+00	5.59
0 010	0 0168	-0.276	1 01000	0.276	22.78	1 60E+00	5.59
0 013	0 0169	-0.276	1 01330	0.276	22.78	1 60E+00	5.59
0 017	0 0169	-0.280	1 01660	0.280	22.77	1 63E+00	5.61
0 020	0 0170	-0.283	1 02000	0.283	22.77	1 64E+00	5.63
0 023	0 0171	-0.283	1 02330	0.283	22.77	1 64E+00	5.63
0 027	0 0171	-0.286	1 02660	0.286	22.77	1 66E+00	5.65
0 030	0 0172	-0.286	1 03000	0.286	22.77	1 66E+00	5.65
0 033	0 0172	-0.289	1 03330	0.289	22.77	1 68E+00	5.66
0 037	0 0173	-0.289	1 03660	0.289	22.77	1 68E+00	5.66
0 040	0 0173	-0.289	1 04000	0.289	22.77	1 68E+00	5.66
0 043	0 0174	-0.292	1 04330	0.292	22.76	1 70E+00	5.68
0 047	0 0174	-0.292	1 04660	0.292	22.76	1 70E+00	5.68
0 050	0 0175	-0.295	1 05000	0.295	22.76	1 71E+00	5.70
0 053	0 0176	-0.295	1 05330	0.295	22.76	1 71E+00	5.70
0 057	0 0176	-0.299	1 05660	0.299	22.76	1 74E+00	5.72
0 060	0 0177	-0.302	1 06000	0.302	22.75	1 75E+00	5.74
0 063	0 0177	-0.302	1 06330	0.302	22.75	1 75E+00	5.74
0 067	0 0178	-0.305	1 06660	0.305	22.75	1 77E+00	5.76
0 070	0 0178	-0.305	1 07000	0.305	22.75	1 77E+00	5.76
0 073	0 0179	-0.308	1 07330	0.308	22.75	1 79E+00	5.77
0 077	0 0179	-0.308	1 07660	0.308	22.75	1 79E+00	5.77
0 080	0 0180	-0.311	1 08000	0.311	22.74	1 81E+00	5.79
0 083	0 0181	-0.311	1 08330	0.311	22.74	1 81E+00	5.79
0 087	0 0181	-0.315	1 08660	0.315	22.74	1 83E+00	5.81
0 090	0 0182	-0.315	1 09000	0.315	22.74	1 83E+00	5.81
0 093	0 0182	-0.318	1 09330	0.318	22.74	1 85E+00	5.83
0 097	0 0183	-0.318	1 09660	0.318	22.74	1 85E+00	5.83
0 100	0 0183	-0.321	1 10000	0.321	22.73	1 86E+00	5.85
0 103	0 0184	-0.321	1 10330	0.321	22.73	1 86E+00	5.85
0 107	0 0184	-0.324	1 10660	0.324	22.73	1 88E+00	5.87
0 110	0 0185	-0.327	1 11000	0.327	22.73	1 90E+00	5.88
0 113	0 0186	-0.327	1 11330	0.327	22.73	1 90E+00	5.88
0 117	0 0186	-0.327	1 11660	0.327	22.73	1 90E+00	5.88
0 120	0 0187	-0.330	1 12000	0.330	22.72	1 92E+00	5.90
0 123	0 0187	-0.334	1 12330	0.334	22.72	1 94E+00	5.92

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
0 127	-0 334	0 0188	1 12660	0 334	22.72	1 94E+00	5 92	
0 130	-0 334	0 0188	1 13000	0 334	22.72	1 94E+00	5 92	
0 133	-0 337	0 0189	1 13330	0 337	22.72	1 96E+00	5 94	
0 137	-0 340	0 0189	1 13660	0 340	22.71	1 97E+00	5 96	
0 140	-0 340	0 0190	1 14000	0 340	22.71	1 97E+00	5 96	
0 143	-0 340	0 0191	1 14330	0 340	22.71	1 97E+00	5 96	
0 147	-0 343	0 0191	1 14660	0 343	22.71	1 99E+00	5 98	
0 150	-0 343	0 0192	1 15000	0 343	22.71	1 99E+00	5 98	
0 153	-0 346	0 0192	1 15330	0 346	22.71	2 01E+00	5 99	
0 157	-0 350	0 0193	1 15660	0 350	22.70	2 03E+00	6 02	
0 160	-0 350	0 0193	1 16000	0 350	22.70	2 03E+00	6 02	
0 163	-0 353	0 0194	1 16330	0 353	22.70	2 05E+00	6 03	
0 167	-0 353	0 0194	1 16660	0 353	22.70	2 05E+00	6 03	
0 170	-0 356	0 0195	1 17000	0 356	22.70	2 07E+00	6 05	
0 173	-0 356	0 0196	1 17330	0 356	22.70	2 07E+00	6 05	
0 177	-0 359	0 0196	1 17660	0 359	22.70	2 08E+00	6 07	
0 180	-0 359	0 0197	1 18000	0 359	22.70	2 08E+00	6 07	
0 183	-0 362	0 0197	1 18330	0 362	22.69	2 10E+00	6 09	
0 187	-0 365	0 0198	1 18660	0 365	22.69	2 12E+00	6 10	
0 190	-0 365	0 0198	1 19000	0 365	22.69	2 12E+00	6 10	
0 193	-0 369	0 0199	1 19330	0 369	22.69	2 14E+00	6 13	
0 197	-0 369	0 0199	1 19660	0 369	22.69	2 14E+00	6 13	
0 200	-0 372	0 0200	1 20000	0 372	22.68	2 16E+00	6 14	
0 203	-0 372	0 0201	1 20330	0 372	22.68	2 16E+00	6 14	
0 207	-0 372	0 0201	1 20660	0 372	22.68	2 16E+00	6 14	
0 210	-0 375	0 0202	1 21000	0 375	22.68	2 18E+00	6 16	
0 213	-0 375	0 0202	1 21330	0 375	22.68	2 18E+00	6 16	
0 217	-0 378	0 0203	1 21660	0 378	22.68	2.20E+00	6 18	
0 220	-0 381	0 0203	1 22000	0 381	22.67	2.21E+00	6 20	
0 223	-0 381	0 0204	1 22330	0 381	22.67	2.21E+00	6 20	
0 227	-0 385	0 0204	1 22660	0 385	22.67	2.24E+00	6 22	
0 230	-0 385	0 0205	1 23000	0 385	22.67	2.24E+00	6 22	
0 233	-0 388	0 0206	1 23330	0 388	22.67	2.25E+00	6 24	
0 237	-0 388	0 0206	1 23660	0 388	22.67	2.25E+00	6 24	
0 240	-0 391	0 0207	1 24000	0 391	22.66	2.27E+00	6 25	
0 243	-0 391	0 0207	1 24330	0 391	22.66	2.27E+00	6 25	
0 247	-0 394	0 0208	1 24660	0 394	22.66	2.29E+00	6 27	
0 250	-0 394	0 0208	1 25000	0 394	22.66	2.29E+00	6 27	
0 253	-0 397	0 0209	1 25330	0 397	22.66	2.31E+00	6 29	
0 257	-0 397	0 0209	1 25660	0 397	22.66	2.31E+00	6 29	
0 260	-0 400	0 0210	1 26000	0 400	22.65	2.32E+00	6 31	
0 263	-0 404	0 0211	1 26330	0 404	22.65	2.35E+00	6 33	
0 267	-0 404	0 0211	1 26660	0 404	22.65	2.35E+00	6 33	
0 270	-0 407	0 0212	1 27000	0 407	22.65	2.36E+00	6 35	
0 273	-0 407	0 0212	1 27330	0 407	22.65	2.36E+00	6 35	
0 277	-0 410	0 0213	1 27660	0 410	22.64	2.38E+00	6 37	
0 280	-0 410	0 0213	1 28000	0 410	22.64	2.38E+00	6 37	
0 283	-0 413	0 0214	1 28330	0 413	22.64	2.40E+00	6 38	
0 287	-0 413	0 0214	1 28660	0 413	22.64	2.40E+00	6 38	
0 290	-0 416	0 0215	1 29000	0 416	22.64	2.42E+00	6 40	
0 293	-0 416	0 0216	1 29330	0 416	22.64	2.42E+00	6 40	
0 297	-0 420	0 0216	1 29660	0 420	22.63	2.44E+00	6 42	
0 300	-0 420	0 0217	1 30000	0 420	22.63	2.44E+00	6 42	
0 303	-0 423	0 0217	1 30330	0 423	22.63	2.46E+00	6 44	
0 307	-0 423	0 0218	1 30660	0 423	22.63	2.46E+00	6 44	
0 310	-0 426	0 0218	1 31000	0 426	22.63	2.47E+00	6 46	
0 313	-0 426	0 0219	1 31330	0 426	22.63	2.47E+00	6 46	
0 317	-0 429	0 0219	1 31660	0 429	22.63	2.49E+00	6 48	
0 320	-0 429	0 0220	1 32000	0 429	22.63	2.49E+00	6 48	
0 323	-0 432	0 0221	1 32330	0 432	22.62	2.51E+00	6 49	
0 327	-0 432	0 0221	1 32660	0 432	22.62	2.51E+00	6 49	
0 330	-0 435	0 0222	1 33000	0 435	22.62	2.53E+00	6 51	
0 333	-0 439	0 0222	1 33330	0 439	22.62	2.55E+00	6 53	
0 350	-0 445	0 0225	1 35000	0 445	22.61	2.58E+00	6 57	
0 367	-0 455	0 0228	1 36660	0 455	22.60	2.64E+00	6 63	
0 383	-0 461	0 0231	1 38330	0 461	22.59	2.68E+00	6 66	
0 400	-0 470	0 0233	1 40000	0 470	22.58	2.73E+00	6 71	
0 417	-0 480	0 0236	1 41660	0 480	22.57	2.79E+00	6 77	
0 433	-0 486	0 0239	1 43330	0 486	22.57	2.82E+00	6 81	
0 450	-0 496	0 0242	1 45000	0 496	22.56	2.88E+00	6 86	
0 467	-0 505	0 0244	1 46660	0 505	22.55	2.93E+00	6 92	
0 483	-0 512	0 0247	1 48330	0 512	22.54	2.97E+00	6 96	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
0 500	-0 521	0 0250	1 50000	0 521	22.53	3 03E+00	7 01	
0 517	-0 528	0 0253	1 51660	0 528	22.53	3 07E+00	7 05	
0 533	-0 537	0 0256	1 53330	0 537	22.52	3 12E+00	7 10	
0 550	-0 547	0 0258	1 55000	0 547	22.51	3 18E+00	7 16	
0 567	-0 553	0 0261	1 56660	0 553	22.50	3 21E+00	7 20	
0 583	-0 563	0 0264	1 58330	0 563	22.49	3 27E+00	7 25	
0 600	-0 572	0 0267	1 60000	0 572	22.48	3 32E+00	7 31	
0 617	-0 579	0 0269	1 61660	0 579	22.48	3 36E+00	7 35	
0 633	-0 588	0 0272	1 63330	0 588	22.47	3 41E+00	7 40	
0 650	-0 595	0 0275	1 65000	0 595	22.46	3 46E+00	7 44	
0 667	-0 604	0 0278	1 66660	0 604	22.45	3 51E+00	7 49	
0 683	-0 610	0 0281	1 68330	0 610	22.44	3 54E+00	7 53	
0 700	-0 620	0 0283	1 70000	0 620	22.43	3 60E+00	7 58	
0 717	-0 626	0 0286	1 71660	0 626	22.43	3 64E+00	7 62	
0 733	-0 636	0 0289	1 73330	0 636	22.42	3 69E+00	7 68	
0 750	-0 642	0 0292	1 75000	0 642	22.41	3 73E+00	7 71	
0 767	-0 639	0 0294	1 76660	0 639	22.42	3 71E+00	7 70	
0 783	-0 645	0 0297	1 78330	0 645	22.41	3 75E+00	7 73	
0 800	-0 655	0 0300	1 80000	0 655	22.40	3 80E+00	7 79	
0 817	-0 668	0 0303	1 81660	0 668	22.39	3 88E+00	7 86	
0 833	-0 677	0 0306	1 83330	0 677	22.38	3 93E+00	7 92	
0 850	-0 687	0 0308	1 85000	0 687	22.37	3 99E+00	7 97	
0 867	-0 696	0 0311	1 86660	0 696	22.36	4 04E+00	8 03	
0 883	-0 703	0 0314	1 88330	0 703	22.35	4 08E+00	8 07	
0 900	-0 712	0 0317	1 90000	0 712	22.34	4 14E+00	8 12	
0 917	-0 719	0 0319	1 91660	0 719	22.34	4 18E+00	8 16	
0 933	-0 728	0 0322	1 93330	0 728	22.33	4 23E+00	8 21	
0 950	-0 741	0 0325	1 95000	0 741	22.31	4 30E+00	8 29	
0 967	-0 750	0 0328	1 96660	0 750	22.30	4 36E+00	8 34	
0 983	-0 760	0 0331	1 98330	0 760	22.29	4 41E+00	8 40	
1 000	-0 770	0 0333	2.00000	0 770	22.28	4 47E+00	8 46	
1 200	-0 865	0 0367	2.20000	0 865	22.19	5 02E+00	9 01	
1 400	-0 957	0 0400	2.40000	0 957	22.10	5 56E+00	9 54	
1 600	-1 043	0 0433	2.60000	1 043	22.01	6 06E+00	10 04	
1 800	-1 123	0 0467	2.80000	1 123	21 93	6 52E+00	10 51	
2.000	-1 202	0 0500	3 00000	1 202	21 85	6 98E+00	10 97	
2.200	-1 276	0 0533	3 20000	1 276	21 78	7 41E+00	11 39	
2.400	-1 349	0 0567	3 40000	1 349	21 71	7 83E+00	11 82	
2.600	-1 419	0 0600	3 60000	1 419	21 64	8 24E+00	12.23	
2.800	-1 486	0 0633	3 80000	1 486	21 57	8 63E+00	12 61	
3.000	-1 549	0 0667	4 00000	1 549	21 51	9 00E+00	12 98	
3.200	-1 613	0 0700	4 20000	1 613	21 44	9 37E+00	13 35	
3.400	-1 674	0 0733	4 40000	1 674	21 38	9 72E+00	13 71	
3.600	-1 731	0 0767	4 60000	1 731	21 32	1 01E+01	14 04	
3.800	-1 788	0 0800	4 80000	1 788	21 27	1 04E+01	14 37	
4.000	-1 846	0 0833	5 00000	1 846	21 21	1 07E+01	14 71	
4.200	-1 900	0 0867	5 20000	1 900	21 15	1 10E+01	15 02	
4.400	-1 951	0 0900	5 40000	1 951	21 10	1 13E+01	15 32	
4.600	-2.005	0 0933	5 60000	2.005	21 05	1 16E+01	15 63	
4.800	-2.052	0 0967	5 80000	2.052	21 00	1 19E+01	15 90	
5.000	-2.100	0 1000	6 00000	2 100	20 95	1 22E+01	16 18	
5.200	-2 148	0 1033	6 20000	2 148	20 91	1 25E+01	16 46	
5.400	-2.196	0 1067	6 40000	2 196	20 86	1 28E+01	16 74	
5.600	-2 240	0 1100	6 60000	2 240	20 81	1 30E+01	16 99	
5.800	-2.285	0 1133	6 80000	2 285	20 77	1 33E+01	17 25	
6.000	-2.320	0 1167	7 00000	2 320	20 73	1 35E+01	17 46	
6.200	-2.349	0 1200	7 20000	2 349	20 71	1 36E+01	17 63	
6.400	-2.368	0 1233	7 40000	2 368	20 69	1 38E+01	17 74	
6.600	-2 387	0 1267	7 60000	2 387	20 67	1 39E+01	17 85	
6.800	-2 403	0 1300	7 80000	2 403	20 65	1 40E+01	17 94	
7.000	-2.416	0 1333	8 00000	2 416	20 64	1 40E+01	18 02	
7.200	-2.428	0 1367	8 20000	2 428	20 63	1 41E+01	18 09	
7.400	-2 441	0 1400	8 40000	2 441	20 61	1 42E+01	18 16	
7.600	-2.451	0 1433	8 60000	2 451	20 60	1 42E+01	18 22	
7.800	-2 460	0 1467	8 80000	2 460	20 59	1 43E+01	18 27	
8.000	-2 470	0 1500	9 00000	2 470	20 58	1 43E+01	18 33	
8.200	-2 479	0 1533	9 20000	2 479	20 58	1 44E+01	18 38	
8.400	-2 486	0 1567	9 40000	2 486	20 57	1 44E+01	18 42	
8.600	-2 495	0 1600	9 60000	2 495	20 56	1 45E+01	18 47	
8.800	-2.501	0 1633	9 80000	2 501	20 55	1 45E+01	18 51	
9.000	-2 508	0 1667	10 00000	2 508	20 55	1 46E+01	18 55	
9.200	-2.511	0 1700	10 20000	2 511	20 54	1 46E+01	18 57	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
	9 400	-2.517	0 1733	10 40000	2.517	20 54	1 46E+01	18 60
	9 600	-2.524	0 1767	10 60000	2.524	20 53	1 47E+01	18 64
	9 800	-2.530	0 1800	10 80000	2.530	20 52	1 47E+01	18 68
	10 000	-2.537	0 1833	11 00000	2.537	20 52	1 47E+01	18 72
	12,000	-2.581	0 2167	13 00000	2.581	20 47	1 50E+01	18 97
	14,000	-2.622	0 2500	15 00000	2.622	20 43	1 52E+01	19 21
	16,000	-2.658	0 2833	17 00000	2.658	20 40	1 54E+01	19 42
	18,000	-2.693	0 3167	19 00000	2.693	20 36	1 56E+01	19 62
	20,000	-2.724	0 3500	21 00000	2.724	20 33	1 58E+01	19 80
	22,000	-2.753	0 3833	23 00000	2.753	20 30	1 60E+01	19 97
	24,000	-2.782	0 4167	25 00000	2.782	20 27	1 62E+01	20 14
	26,000	-2.807	0 4500	27 00000	2.807	20 25	1 63E+01	20 29
	28,000	-2.833	0 4833	29 00000	2.833	20 22	1 65E+01	20 44
	30,000	-2.858	0 5167	31 00000	2.858	20 20	1 66E+01	20 58
	32,000	-2.880	0 5500	33 00000	2.880	20 17	1 67E+01	20 71
	34,000	-2.903	0 5833	35 00000	2.903	20 15	1 69E+01	20 84
	36,000	-2.925	0 6167	37 00000	2.925	20 13	1 70E+01	20 97
	38,000	-2.944	0 6500	39 00000	2.944	20 11	1 71E+01	21 08
	40,000	-2.966	0 6833	41 00000	2.966	20 09	1 72E+01	21 21
	42,000	-2.986	0 7167	43 00000	2.986	20 07	1 73E+01	21 33
	44,000	-3 005	0 7500	45 00000	3 005	20 05	1 75E+01	21 44
	46,000	-3 027	0 7833	47 00000	3 027	20 03	1 76E+01	21 56
	48,000	-3 046	0 8167	49 00000	3 046	20 01	1 77E+01	21 67
	50,000	-3 065	0 8500	51 00000	3 065	19 99	1 78E+01	21 78
	52,000	-3 081	0 8833	53 00000	3 081	19 97	1 79E+01	21 88
	54,000	-3 100	0 9167	55 00000	3 100	19 95	1 80E+01	21 99
	56,000	-3 116	0 9500	57 00000	3 116	19 94	1 81E+01	22 08
	58,000	-3 135	0 9833	59 00000	3 135	19 92	1 82E+01	22 19
	60,000	-3 154	1 0167	61 00000	3 154	19 90	1 83E+01	22 30
	62,000	-3 173	1 0500	63 00000	3 173	19 88	1 84E+01	22 41
	64,000	-3 193	1 0833	65 00000	3 193	19 86	1 85E+01	22 53
	66,000	-3 212	1 1167	67 00000	3 212	19 84	1 87E+01	22 64
	68,000	-3 234	1 1500	69 00000	3 234	19 82	1 88E+01	22 77
	70,000	-3 253	1 1833	71 00000	3 253	19 80	1 89E+01	22 88
	72,000	-3 272	1 2167	73 00000	3 272	19 78	1 90E+01	22 99
	74,000	-3 288	1 2500	75 00000	3 288	19 77	1 91E+01	23 08
	76,000	-3 307	1 2833	77 00000	3 307	19 75	1 92E+01	23 19
	78,000	-3 326	1 3167	79 00000	3 326	19 73	1 93E+01	23 30
	80,000	-3 342	1 3500	81 00000	3 342	19 71	1 94E+01	23 39
	82,000	-3 361	1 3833	83 00000	3 361	19 69	1 95E+01	23 50
	84,000	-3 377	1 4167	85 00000	3 377	19 68	1 96E+01	23 60
	86,000	-3 396	1 4500	87 00000	3 396	19 66	1 97E+01	23 71
	88,000	-3 416	1 4833	89 00000	3 416	19 64	1 98E+01	23 82
	90,000	-3 435	1 5167	91 00000	3 435	19 62	1 99E+01	23 93
	92,000	-3 454	1 5500	93 00000	3 454	19 60	2 01E+01	24 04
	94,000	-3 470	1 5833	95 00000	3 470	19 58	2 02E+01	24 14
	96,000	-3 489	1 6167	97 00000	3 489	19 57	2 03E+01	24 25
	98,000	-3 505	1 6500	99 00000	3 505	19 55	2 04E+01	24 34
	100,000	-3 524	1 6833	101 00000	3 524	19 53	2 05E+01	24 45
	120,000	-3 667	2 0167	121 00000	3 667	19 39	2 13E+01	25 28
	140,000	-3 811	2 3500	141 00000	3 811	19 24	2 21E+01	26 12
	160,000	-3 951	2 6833	161 00000	3 951	19 10	2 29E+01	26 93
	180,000	-4 069	3 0167	181 00000	4 069	18 99	2 36E+01	27 62
	200,000	-4 196	3 3500	201 00000	4 196	18 86	2 44E+01	28 35
	220,000	-4 317	3 6833	221 00000	4 317	18 74	2 51E+01	29 06
	240,000	-4 438	4 0167	241 00000	4 438	18 62	2 58E+01	29 76
	260,000	-4 559	4 3500	261 00000	4 559	18 50	2 65E+01	30 46
	280,000	-4 716	4 6833	281 00000	4 716	18 34	2 74E+01	31 37
	300,000	-4 833	5 0167	301 00000	4 833	18 22	2 81E+01	32 05
	320,000	-4 913	5 3500	321 00000	4 913	18 14	2 85E+01	32 52
	340,000	-4 986	5 6833	341 00000	4 986	18 07	2 90E+01	32 94
	360,000	-5 047	6 0167	361 00000	5 047	18 01	2 93E+01	33 30
	380,000	-5 108	6 3500	381 00000	5 108	17 95	2 97E+01	33 65
	400,000	-5 162	6 6833	401 00000	5 162	17 89	3 00E+01	33 96
	420,000	-5 216	7 0167	421 00000	5 216	17 84	3 03E+01	34 28
	440,000	-5 264	7 3500	441 00000	5 264	17 79	3 06E+01	34 56
	460,000	-5 280	7 6833	461 00000	5 280	17 77	3 07E+01	34 65
	480,000	-5 292	8 0167	481 00000	5 292	17 76	3 07E+01	34 72
	500,000	-5 302	8 3500	501 00000	5 302	17 75	3 08E+01	34 78
	520,000	-5 302	8 6833	521 00000	5 302	17 75	3 08E+01	34 78
	540,000	-5 305	9 0167	541 00000	5 305	17 75	3 08E+01	34 79
	560,000	-5 318	9 3500	561 00000	5 318	17 74	3 09E+01	34 87

Input data						Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)
580 000	-5 347	9 6833	581 00000	5 347	17 71	3 11E+01	35 04
600 000	-5 379	10 0167	601 00000	5 379	17 68	3 12E+01	35 22
620 000	-5 414	10 3500	621 00000	5 414	17 64	3 14E+01	35 43
640 000	-5 452	10 6833	641 00000	5 452	17 60	3 17E+01	35 65
660 000	-5 468	11 0167	661 00000	5 468	17 59	3 18E+01	35 74
680 000	-5 484	11 3500	681 00000	5 484	17 57	3 18E+01	35 83
700 000	-5 506	11 6833	701 00000	5 506	17 55	3 20E+01	35 96
720 000	-5 519	12.0167	721 00000	5 519	17 54	3 21E+01	36 04
740 000	-5 538	12.3500	741 00000	5 538	17 52	3 22E+01	36 15
760 000	-5 544	12.6833	761 00000	5 544	17 51	3 22E+01	36 18
780 000	-5 547	13 0167	781 00000	5 547	17 51	3 22E+01	36 20
800 000	-5 554	13 3500	801 00000	5 554	17 50	3 23E+01	36 24
820 000	-5 551	13 6833	821 00000	5 551	17 50	3 22E+01	36 22
840 000	-5 563	14 0167	841 00000	5 563	17 49	3 23E+01	36 29
860 000	-5 563	14 3500	861 00000	5 563	17 49	3 23E+01	36 29
880 000	-5 560	14 6833	881 00000	5 560	17 49	3 23E+01	36 28
900 000	-5 563	15 0167	901 00000	5 563	17 49	3 23E+01	36 29
920 000	-5 557	15 3500	921 00000	5 557	17 50	3 23E+01	36 26
940 000	-5 554	15 6833	941 00000	5 554	17 50	3 23E+01	36 24
960 000	-5 551	16.0167	961 00000	5 551	17 50	3 22E+01	36 22
980 000	-5 541	16 3500	981 00000	5 541	17 51	3 22E+01	36 16
1000 000	-5 541	16 6833	1001 00000	5 541	17 51	3 22E+01	36 16
1200 000	-5 535	20 0167	1201 00000	5 535	17 52	3 21E+01	36 13
1400 000	-5 353	23 3500	1401 00000	5 353	17 70	3 11E+01	35 07
1600 000	-4 920	26 6833	1601 00000	4 920	18 13	2 86E+01	32 56
1800 000	-4 974	30 0167	1801 00000	4 974	18 08	2 89E+01	32 87
2000 000	-5 241	33 3500	2001 00000	5 241	17 81	3 04E+01	34 42
2200 000	-5 525	36.6833	2201 00000	5 525	17 53	3 21E+01	36 07
2400 000	-5 522	40 0167	2401 00000	5 522	17 53	3 21E+01	36 05
2600 000	-5 445	43 3500	2601 00000	5 445	17 61	3 16E+01	35 61
2800 000	-5 372	46 6833	2801 00000	5 372	17 68	3 12E+01	35 18
3000 000	-5 092	50 0167	3001 00000	5 092	17 96	2 96E+01	33 56
3200 000	-5 171	53 3500	3201 00000	5 171	17 88	3 00E+01	34 02
3400 000	-5 353	56 6833	3401 00000	5 353	17 70	3 11E+01	35 07
3600 000	-5 455	60 0167	3601 00000	5 455	17 60	3 17E+01	35 67
3800 000	-5 430	63 3500	3801 00000	5 430	17 62	3 15E+01	35 52
4000 000	-5 366	66 6833	4001 00000	5 366	17 69	3 12E+01	35 15
4200 000	-5 356	70 0167	4201 00000	5 356	17 70	3 11E+01	35 09
4400 000	-5 124	73 3500	4401 00000	5 124	17 93	2 98E+01	33 74

F 0860

Well No. 05093

Measured recovery after sampling

Date: 27-Jul-94

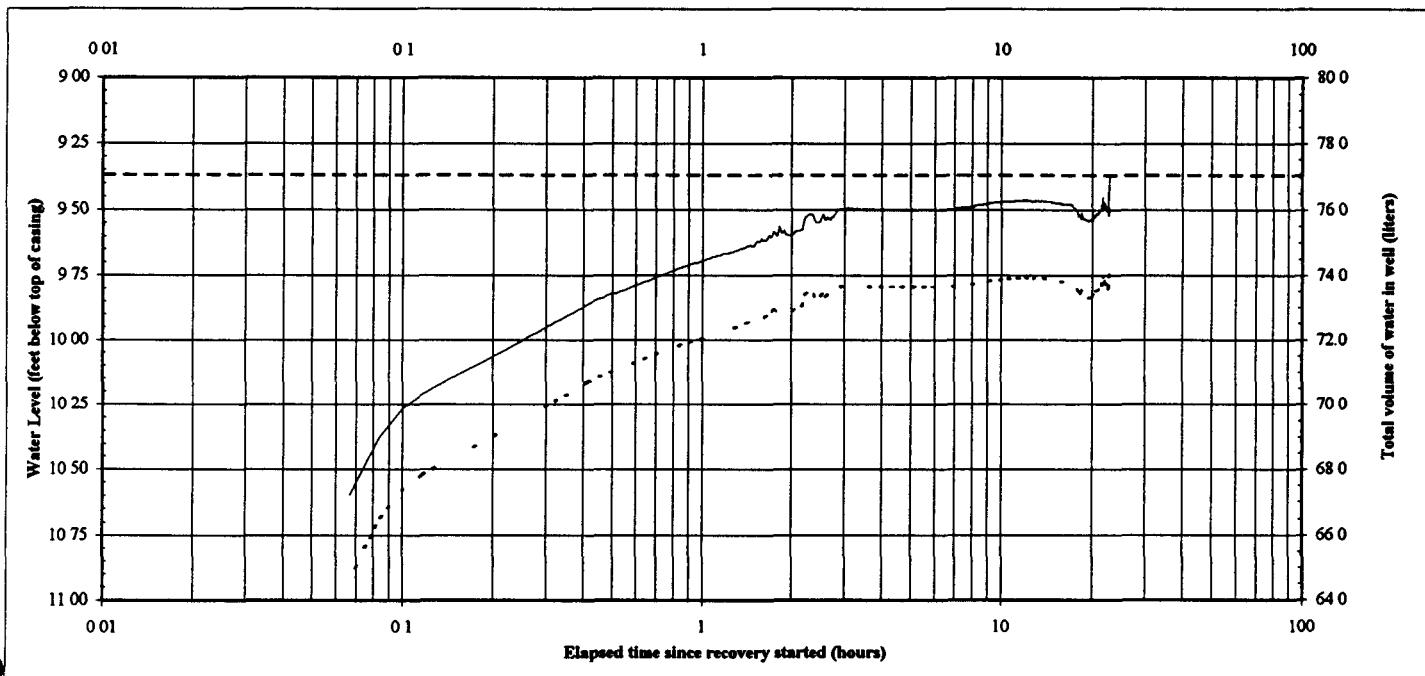
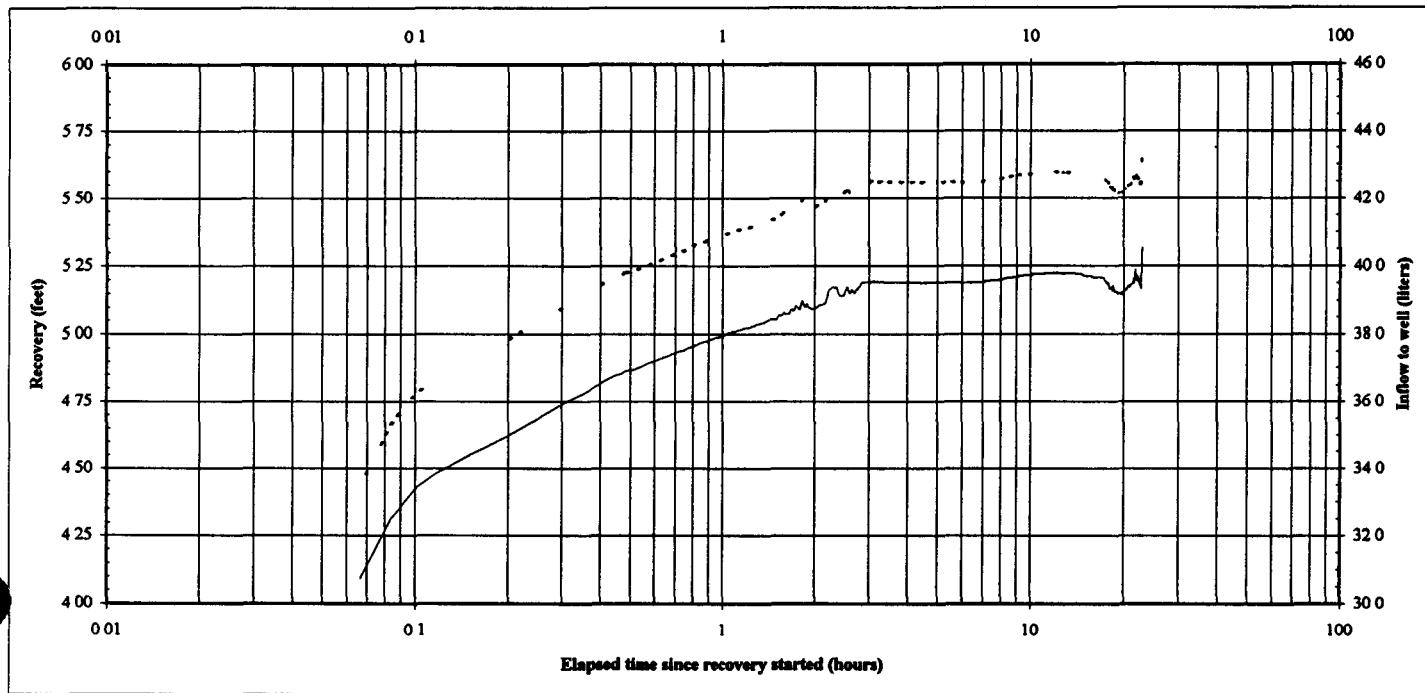
3rd quarter

1994

Pre-sampling Static Water Level

Water Level

Volume



Bottom of well at 14 71 fbtc

Well No.

05093

Date Sampled

3 rd quarter
27-Jan-94

Final ball time	15:23	Delay	3 00	Minutes
Set transducer time	15:26			
Static water level (pre-sampling)	9.4	feet below top of casing		
Final water level (post-recovery)	9.4	feet below top of casing		
Last recorded water level	9.3	feet below transducer		
Transducer Reference Depth	14.7	feet below top of casing		
Bottom of well	14.7	feet below top of casing		
First recorded water level	9.3	feet below transducer		
First recorded water level	10.9	feet below top of casing		
Water column remaining in casing after purging	3.8	feet		
Volume remaining in casing after purging	31.2	liters		
Well diameter	12.0	inches	1 000	feet
Well radius	6.0	inches	0.500	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.6	inches	0.303	feet
Top of sandpack	2.1	feet below top of casing	0.62	liters/foot
			8.19	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final ball (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-3 786	0 0500	3 00000	3 786	10 90	64 66
1 000	-4 091	0 0667	4 00000	4 091	10 60	3 35E+01
2.000	-4 311	0 0833	5 00000	4 311	10 38	3 53E+01
3 000	-4 422	0 1000	6 00000	4 422	10 27	3 62E+01
4 000	-4 479	0 1167	7 00000	4 479	10 21	3 67E+01
5 000	-4 517	0 1333	8 00000	4 517	10 17	3 70E+01
6 000	-4 549	0 1500	9 00000	4 549	10 14	3 72E+01
7 000	-4 575	0 1667	10 00000	4 575	10 11	3 75E+01
8 000	-4 600	0 1833	11 00000	4 600	10 09	3 77E+01
9 000	-4 622	0 2000	12 00000	4 622	10 07	3 78E+01
10 000	-4 645	0 2167	13 00000	4 645	10 04	3 80E+01
11 000	-4 667	0 2333	14 00000	4 667	10 02	3 82E+01
12 000	-4 686	0 2500	15 00000	4 686	10 00	3 84E+01
13 000	-4 705	0 2667	16 00000	4 705	9 98	3 85E+01
14 000	-4 721	0 2833	17 00000	4 721	9 97	3 86E+01
15 000	-4 737	0 3000	18 00000	4 737	9 95	3 88E+01
16 000	-4 753	0 3167	19 00000	4 753	9 94	3 89E+01
17 000	-4 765	0 3333	20 00000	4 765	9 92	3 90E+01
18 000	-4 778	0 3500	21 00000	4 778	9 91	3 91E+01
19 000	-4 791	0 3667	22 00000	4 791	9 90	3 92E+01
20 000	-4 804	0 3833	23 00000	4 804	9 89	3 93E+01
21 000	-4 816	0 4000	24 00000	4 816	9 87	3 94E+01
22 000	-4 829	0 4167	25 00000	4 829	9 86	3 95E+01
23 000	-4 838	0 4333	26 00000	4 838	9 85	3 96E+01
24 000	-4 848	0 4500	27 00000	4 848	9 84	3 97E+01
25 000	-4 854	0 4667	28 00000	4 854	9 84	3 97E+01
26 000	-4 864	0 4833	29 00000	4 864	9 83	3 98E+01
27 000	-4 867	0 5000	30 00000	4 867	9 82	3 98E+01
28 000	-4 870	0 5167	31 00000	4 870	9 82	3 99E+01
29 000	-4 877	0 5333	32 00000	4 877	9 81	3 99E+01
30 000	-4 883	0 5500	33 00000	4 883	9 81	4 00E+01
31 000	-4 889	0 5667	34 00000	4 889	9 80	4 00E+01
32 000	-4 896	0 5833	35 00000	4 896	9 79	4 01E+01
33 000	-4 902	0 6000	36 00000	4 902	9 79	4 01E+01
34 000	-4 905	0 6167	37 00000	4 905	9 78	4 02E+01
35 000	-4 912	0 6333	38 00000	4 912	9 78	4 02E+01
36 000	-4 918	0 6500	39 00000	4 918	9 77	4 03E+01
37 000	-4 921	0 6667	40 00000	4 921	9 77	4 03E+01

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (feet)	Elapsed Time since final bail (hours)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
38 000	-4 928	0 6833	41 00000	4 928	9 76		4 03E+01	71 51
39 000	-4 931	0 7000	42 00000	4 931	9 76		4 04E+01	71 53
40 000	-4 937	0 7167	43 00000	4 937	9 75		4 04E+01	71 58
41 000	-4 940	0 7333	44 00000	4 940	9 75		4 04E+01	71 61
42 000	-4 943	0 7500	45 00000	4 943	9 75		4 05E+01	71 63
43 000	-4 950	0 7667	46 00000	4 950	9 74		4 05E+01	71 69
44 000	-4 953	0 7833	47 00000	4 953	9 74		4 05E+01	71 71
45 000	-4 956	0 8000	48 00000	4 956	9 73		4 06E+01	71 74
46 000	-4 962	0 8167	49 00000	4 962	9 73		4 06E+01	71 79
47 000	-4 966	0 8333	50 00000	4 966	9 72		4 07E+01	71 82
48 000	-4 969	0 8500	51 00000	4 969	9 72		4 07E+01	71 84
49 000	-4 972	0 8667	52 00000	4 972	9 72		4 07E+01	71 87
50 000	-4 975	0 8833	53 00000	4 975	9 71		4 07E+01	71 89
51 000	-4 978	0 9000	54 00000	4 978	9 71		4 08E+01	71 92
52 000	-4 982	0 9167	55 00000	4 982	9 71		4 08E+01	71 95
53 000	-4 985	0 9333	56 00000	4 985	9 70		4 08E+01	71 98
54 000	-4 988	0 9500	57 00000	4 988	9 70		4 08E+01	72 00
55 000	-4 988	0 9667	58 00000	4 988	9 70		4 08E+01	72 00
56 000	-4 991	0 9833	59 00000	4 991	9 70		4 09E+01	72 02
57 000	-4 994	1 0000	60 00000	4 994	9 70		4 09E+01	72 05
58 000	-4 997	1 0167	61 00000	4 997	9 69		4 09E+01	72 07
59 000	-5 001	1 0333	62 00000	5 001	9 69		4 09E+01	72 11
60 000	-5 004	1 0500	63 00000	5 004	9 69		4 10E+01	72 13
61 000	-5 007	1 0667	64 00000	5 007	9 68		4 10E+01	72 16
62 000	-5 010	1 0833	65 00000	5 010	9 68		4 10E+01	72 18
63 000	-5 010	1 1000	66 00000	5 010	9 68		4 10E+01	72 18
64 000	-5 013	1 1167	67 00000	5 013	9 68		4 10E+01	72 20
65 000	-5 017	1 1333	68 00000	5 017	9 67		4 11E+01	72 24
66 000	-5 017	1 1500	69 00000	5 017	9 67		4 11E+01	72 24
67 000	-5 020	1 1667	70 00000	5 020	9 67		4 11E+01	72 26
68 000	-5 023	1 1833	71 00000	5 023	9 67		4 11E+01	72 29
69 000	-5 023	1 2000	72 00000	5 023	9 67		4 11E+01	72 29
70 000	-5 023	1 2167	73 00000	5 023	9 67		4 11E+01	72 29
71 000	-5 026	1 2333	74 00000	5 026	9 66		4 11E+01	72 31
72 000	-5 029	1 2500	75 00000	5 029	9 66		4 12E+01	72 34
73 000	-5 029	1 2667	76 00000	5 029	9 66		4 12E+01	72 34
74 000	-5 032	1 2833	77 00000	5 032	9 66		4 12E+01	72 36
75 000	-5 036	1 3000	78 00000	5 036	9 65		4 12E+01	72 39
76 000	-5 036	1 3167	79 00000	5 036	9 65		4 12E+01	72 39
77 000	-5 039	1 3333	80 00000	5 039	9 65		4 13E+01	72 42
78 000	-5 042	1 3500	81 00000	5 042	9 65		4 13E+01	72 44
79 000	-5 042	1 3667	82 00000	5 042	9 65		4 13E+01	72 44
80 000	-5 045	1 3833	83 00000	5 045	9 64		4 13E+01	72 47
81 000	-5 048	1 4000	84 00000	5 048	9 64		4 13E+01	72 49
82 000	-5 052	1 4167	85 00000	5 052	9 64		4 14E+01	72 52
83 000	-5 052	1 4333	86 00000	5 052	9 64		4 14E+01	72 52
84 000	-5 055	1 4500	87 00000	5 055	9 63		4 14E+01	72 55
85 000	-5 052	1 4667	88 00000	5 052	9 64		4 14E+01	72 52
86 000	-5 052	1 4833	89 00000	5 052	9 64		4 14E+01	72 52
87 000	-5 052	1 5000	90 00000	5 052	9 64		4 14E+01	72 52
88 000	-5 064	1 5167	91 00000	5 064	9 63		4 15E+01	72 62
89 000	-5 071	1 5333	92 00000	5 071	9 62		4 15E+01	72 68
90 000	-5 067	1 5500	93 00000	5 067	9 62		4 15E+01	72 65
91 000	-5 071	1 5667	94 00000	5 071	9 62		4 15E+01	72 68
92 000	-5 080	1 5833	95 00000	5 080	9 61		4 16E+01	72 75
93 000	-5 074	1 6000	96 00000	5 074	9 62		4 15E+01	72 70
94 000	-5 074	1 6167	97 00000	5 074	9 62		4 15E+01	72 70
95 000	-5 074	1 6333	98 00000	5 074	9 62		4 15E+01	72 70
96 000	-5 077	1 6500	99 00000	5 077	9 61		4 16E+01	72 73
97 000	-5 090	1 6667	100 00000	5 090	9 60		4 17E+01	72 83
98 000	-5 093	1 6833	101 00000	5 093	9 60		4 17E+01	72 86
99 000	-5 086	1 7000	102 00000	5 086	9 60		4 16E+01	72 80
100 000	-5 090	1 7167	103 00000	5 090	9 60		4 17E+01	72 83
101 000	-5 106	1 7333	104 00000	5 106	9 58		4 18E+01	72 97
102 000	-5 102	1 7500	105 00000	5 102	9 59		4 18E+01	72 93
103 000	-5 096	1 7667	106 00000	5 096	9 59		4 17E+01	72 88
104 000	-5 090	1 7833	107 00000	5 090	9 60		4 17E+01	72 83
105 000	-5 106	1 8000	108 00000	5 106	9 58		4 18E+01	72 97
106 000	-5 125	1 8167	109 00000	5 125	9 56		4 20E+01	73 12
107 000	-5 115	1 8333	110 00000	5 115	9 57		4 19E+01	73 04
108 000	-5 102	1 8500	111 00000	5 102	9 59		4 18E+01	72 93
109 000	-5 102	1 8667	112 00000	5 102	9 59		4 18E+01	72 93

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
110 000	-5 112	1 8833		113 00000	5 112	9 58		4 18E+01	73 02
111 000	-5 102	1 9000		114 00000	5 102	9 59		4 18E+01	72 93
112 000	-5 096	1 9167		115 00000	5 096	9 59		4 17E+01	72 88
113 000	-5 096	1 9333		116 00000	5 096	9 59		4 17E+01	72 88
114 000	-5 093	1 9500		117 00000	5 093	9 60		4 17E+01	72 86
115 000	-5 093	1 9667		118 00000	5 093	9 60		4 17E+01	72 86
116 000	-5 093	1 9833		119 00000	5 093	9 60		4 17E+01	72 86
117 000	-5 096	2.0000		120 00000	5 096	9 59		4 17E+01	72 88
118 000	-5 096	2.0167		121 00000	5 096	9 59		4 17E+01	72 88
119 000	-5 099	2.0333		122 00000	5 099	9 59		4 17E+01	72 91
120 000	-5 106	2.0500		123 00000	5 106	9 58		4 18E+01	72 97
121 000	-5 106	2.0667		124 00000	5 106	9 58		4 18E+01	72 97
122 000	-5 109	2.0833		125 00000	5 109	9 58		4 18E+01	72 99
123 000	-5 109	2.1000		126 00000	5 109	9 58		4 18E+01	72 99
124 000	-5 109	2.1167		127 00000	5 109	9 58		4 18E+01	72 99
125 000	-5 112	2.1333		128 00000	5 112	9 58		4 18E+01	73 02
126 000	-5 112	2.1500		129 00000	5 112	9 58		4 18E+01	73 02
127 000	-5 115	2.1667		130 00000	5 115	9 57		4 19E+01	73 04
128 000	-5 131	2.1833		131 00000	5 131	9 56		4 20E+01	73 17
129 000	-5 150	2.2000		132 00000	5 150	9 54		4 22E+01	73 33
130 000	-5 160	2.2167		133 00000	5 160	9 53		4 22E+01	73 41
131 000	-5 163	2.2333		134 00000	5 163	9 53		4 23E+01	73 43
132 000	-5 166	2.2500		135 00000	5 166	9 52		4 23E+01	73 46
133 000	-5 169	2.2667		136 00000	5 169	9 52		4 23E+01	73 48
134 000	-5 172	2.2833		137 00000	5 172	9 52		4 23E+01	73 51
135 000	-5 172	2.3000		138 00000	5 172	9 52		4 23E+01	73 51
136 000	-5 169	2.3167		139 00000	5 169	9 52		4 23E+01	73 48
137 000	-5 169	2.3333		140 00000	5 169	9 52		4 23E+01	73 48
138 000	-5 172	2.3500		141 00000	5 172	9 52		4 23E+01	73 51
139 000	-5 160	2.3667		142 00000	5 160	9 53		4 22E+01	73 41
140 000	-5 150	2.3833		143 00000	5 150	9 54		4 22E+01	73 33
141 000	-5 144	2.4000		144 00000	5 144	9 55		4 21E+01	73 28
142 000	-5 141	2.4167		145 00000	5 141	9 55		4 21E+01	73 25
143 000	-5 141	2.4333		146 00000	5 141	9 55		4 21E+01	73 25
144 000	-5 141	2.4500		147 00000	5 141	9 55		4 21E+01	73 25
145 000	-5 141	2.4667		148 00000	5 141	9 55		4 21E+01	73 25
146 000	-5 144	2.4833		149 00000	5 144	9 55		4 21E+01	73 28
147 000	-5 153	2.5000		150 00000	5 153	9 54		4 22E+01	73 35
148 000	-5 160	2.5167		151 00000	5 160	9 53		4 22E+01	73 41
149 000	-5 169	2.5333		152 00000	5 169	9 52		4 23E+01	73 48
150 000	-5 172	2.5500		153 00000	5 172	9 52		4 23E+01	73 51
151 000	-5 160	2.5667		154 00000	5 160	9 53		4 22E+01	73 41
152 000	-5 150	2.5833		155 00000	5 150	9 54		4 22E+01	73 33
153 000	-5 150	2.6000		156 00000	5 150	9 54		4 22E+01	73 33
154 000	-5 156	2.6167		157 00000	5 156	9 53		4 22E+01	73 38
155 000	-5 163	2.6333		158 00000	5 163	9 53		4 23E+01	73 43
156 000	-5 156	2.6500		159 00000	5 156	9 53		4 22E+01	73 38
157 000	-5 156	2.6667		160 00000	5 156	9 53		4 22E+01	73 38
158 000	-5 150	2.6833		161 00000	5 150	9 54		4 22E+01	73 33
159 000	-5 153	2.7000		162 00000	5 153	9 54		4 22E+01	73 35
160 000	-5 160	2.7167		163 00000	5 160	9 53		4 22E+01	73 41
161 000	-5 163	2.7333		164 00000	5 163	9 53		4 23E+01	73 43
162 000	-5 163	2.7500		165 00000	5 163	9 53		4 23E+01	73 43
163 000	-5 169	2.7667		166 00000	5 169	9 52		4 23E+01	73 48
164 000	-5 172	2.7833		167 00000	5 172	9 52		4 23E+01	73 51
165 000	-5 176	2.8000		168 00000	5 176	9 51		4 24E+01	73 54
166 000	-5 185	2.8167		169 00000	5 185	9 50		4 24E+01	73 61
167 000	-5 191	2.8333		170 00000	5 191	9 50		4 25E+01	73 66
168 000	-5 191	2.8500		171 00000	5 191	9 50		4 25E+01	73 66
169 000	-5 188	2.8667		172 00000	5 188	9 50		4 25E+01	73 64
170 000	-5 191	2.8833		173 00000	5 191	9 50		4 25E+01	73 66
171 000	-5 191	2.9000		174 00000	5 191	9 50		4 25E+01	73 66
172 000	-5 191	2.9167		175 00000	5 191	9 50		4 25E+01	73 66
173 000	-5 191	2.9333		176 00000	5 191	9 50		4 25E+01	73 66
174 000	-5 191	2.9500		177 00000	5 191	9 50		4 25E+01	73 66
175 000	-5 191	2.9667		178 00000	5 191	9 50		4 25E+01	73 66
176 000	-5 195	2.9833		179 00000	5 195	9 49		4 25E+01	73 69
177 000	-5 191	3 0000		180 00000	5 191	9 50		4 25E+01	73 66
178 000	-5 191	3 0167		181 00000	5 191	9 50		4 25E+01	73 66
179 000	-5 191	3 0333		182 00000	5 191	9 50		4 25E+01	73 66
180 000	-5 191	3 0500		183 00000	5 191	9 50		4 25E+01	73 66
181 000	-5 195	3 0667		184 00000	5 195	9 49		4 25E+01	73 69

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since final bail (minutes)	Recovery	water level	Inflow (liters)	water in well (liters)
182.000	-5 195	3 0833	185 00000	5 195	9 49	4 25E+01	73 69	
183 000	-5 195	3 1000	186.00000	5 195	9 49	4 25E+01	73 69	
184 000	-5 191	3 1167	187 00000	5 191	9 50	4 25E+01	73 66	
185 000	-5 195	3 1333	188 00000	5 195	9 49	4 25E+01	73 69	
186 000	-5 191	3 1500	189 00000	5 191	9 50	4 25E+01	73 66	
187 000	-5 191	3 1667	190 00000	5 191	9 50	4 25E+01	73 66	
188 000	-5 195	3 1833	191 00000	5 195	9 49	4 25E+01	73 69	
189 000	-5 191	3 2000	192.00000	5 191	9 50	4 25E+01	73 66	
190 000	-5 191	3 2167	193 00000	5 191	9 50	4 25E+01	73 66	
191 000	-5 191	3 2333	194 00000	5 191	9 50	4 25E+01	73 66	
192.000	-5 191	3 2500	195 00000	5 191	9 50	4 25E+01	73 66	
193 000	-5 191	3 2667	196.00000	5 191	9 50	4 25E+01	73 66	
194 000	-5 191	3 2833	197 00000	5 191	9 50	4 25E+01	73 66	
195 000	-5 195	3 3000	198 00000	5 195	9 49	4 25E+01	73 69	
196 000	-5 191	3 3167	199 00000	5 191	9 50	4 25E+01	73 66	
197 000	-5 191	3 3333	200 00000	5 191	9 50	4 25E+01	73 66	
198 000	-5 191	3 3500	201 00000	5 191	9 50	4 25E+01	73 66	
199 000	-5 191	3 3667	202.00000	5 191	9 50	4 25E+01	73 66	
200 000	-5 191	3 3833	203 00000	5 191	9 50	4 25E+01	73 66	
201 000	-5 191	3 4000	204 00000	5 191	9 50	4 25E+01	73 66	
202.000	-5 191	3 4167	205 00000	5 191	9 50	4 25E+01	73 66	
203 000	-5 191	3 4333	206 00000	5 191	9 50	4 25E+01	73 66	
204 000	-5 191	3 4500	207 00000	5 191	9 50	4 25E+01	73 66	
205 000	-5 191	3 4667	208 00000	5 191	9 50	4 25E+01	73 66	
206 000	-5 191	3 4833	209 00000	5 191	9 50	4 25E+01	73 66	
207 000	-5 191	3 5000	210 00000	5 191	9 50	4 25E+01	73 66	
208 000	-5 191	3 5167	211 00000	5 191	9 50	4 25E+01	73 66	
209 000	-5 191	3 5333	212.00000	5 191	9 50	4 25E+01	73 66	
210 000	-5 191	3 5500	213 00000	5 191	9 50	4 25E+01	73 66	
211 000	-5 191	3 5667	214 00000	5 191	9 50	4 25E+01	73 66	
212 000	-5 191	3 5833	215 00000	5 191	9 50	4 25E+01	73 66	
213 000	-5 191	3 6000	216.00000	5 191	9 50	4 25E+01	73 66	
214 000	-5 191	3 6167	217 00000	5 191	9 50	4 25E+01	73 66	
215 000	-5 191	3 6333	218 00000	5 191	9 50	4 25E+01	73 66	
216 000	-5 191	3 6500	219 00000	5 191	9 50	4 25E+01	73 66	
217 000	-5 191	3 6667	220 00000	5 191	9 50	4 25E+01	73 66	
218 000	-5 191	3 6833	221 00000	5 191	9 50	4 25E+01	73 66	
219 000	-5 191	3 7000	222 00000	5 191	9 50	4 25E+01	73 66	
220 000	-5 191	3 7167	223 00000	5 191	9 50	4 25E+01	73 66	
221 000	-5 191	3 7333	224 00000	5 191	9 50	4 25E+01	73 66	
222 000	-5 191	3 7500	225 00000	5 191	9 50	4 25E+01	73 66	
223 000	-5 191	3 7667	226 00000	5 191	9 50	4 25E+01	73 66	
224 000	-5 191	3 7833	227 00000	5 191	9 50	4 25E+01	73 66	
225 000	-5 191	3 8000	228 00000	5 191	9 50	4 25E+01	73 66	
226 000	-5 188	3 8167	229 00000	5 188	9 50	4 25E+01	73 64	
227 000	-5 188	3 8333	230 00000	5 188	9 50	4 25E+01	73 64	
228 000	-5 188	3 8500	231 00000	5 188	9 50	4 25E+01	73 64	
229 000	-5 191	3 8667	232.00000	5 191	9 50	4 25E+01	73 66	
230 000	-5 188	3 8833	233 00000	5 188	9 50	4 25E+01	73 64	
231 000	-5 191	3 9000	234 00000	5 191	9 50	4 25E+01	73 66	
232 000	-5 191	3 9167	235 00000	5 191	9 50	4 25E+01	73 66	
233 000	-5 191	3 9333	236 00000	5 191	9 50	4 25E+01	73 66	
234 000	-5 191	3 9500	237 00000	5 191	9 50	4 25E+01	73 66	
235 000	-5 191	3 9667	238 00000	5 191	9 50	4 25E+01	73 66	
236 000	-5 191	3 9833	239 00000	5 191	9 50	4 25E+01	73 66	
237 000	-5 191	4 0000	240 00000	5 191	9 50	4 25E+01	73 66	
238 000	-5 191	4 0167	241 00000	5 191	9 50	4 25E+01	73 66	
239 000	-5 191	4 0333	242 00000	5 191	9 50	4 25E+01	73 66	
240 000	-5 191	4 0500	243 00000	5 191	9 50	4 25E+01	73 66	
241 000	-5 191	4 0667	244 00000	5 191	9 50	4 25E+01	73 66	
242 000	-5 191	4 0833	245 00000	5 191	9 50	4 25E+01	73 66	
243 000	-5 191	4 1000	246 00000	5 191	9 50	4 25E+01	73 66	
244 000	-5 188	4 1167	247 00000	5 188	9 50	4 25E+01	73 64	
245 000	-5 188	4 1333	248 00000	5 188	9 50	4 25E+01	73 64	
246 000	-5 191	4 1500	249 00000	5 191	9 50	4 25E+01	73 66	
247 000	-5 191	4 1667	250 00000	5 191	9 50	4 25E+01	73 66	
248 000	-5 188	4 1833	251 00000	5 188	9 50	4 25E+01	73 64	
249 000	-5 191	4 2000	252 00000	5 191	9 50	4 25E+01	73 66	
250 000	-5 188	4 2167	253 00000	5 188	9 50	4 25E+01	73 64	
251 000	-5 191	4 2333	254 00000	5 191	9 50	4 25E+01	73 66	
252 000	-5 188	4 2500	255 00000	5 188	9 50	4 25E+01	73 64	
253 000	-5 191	4 2667	256 00000	5 191	9 50	4 25E+01	73 66	

Input data				Cumulative Inflow (liters)	Volume of water in well (liters)		
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	
254 000	-5 188	4 2833	257 00000	5 188	9 50	4 25E+01	73 64
255 000	-5 191	4 3000	258 00000	5 191	9 50	4 25E+01	73 66
256 000	-5 188	4 3167	259 00000	5 188	9 50	4 25E+01	73 64
257 000	-5 191	4 3333	260 00000	5 191	9 50	4 25E+01	73 66
258 000	-5 191	4 3500	261 00000	5 191	9 50	4 25E+01	73 66
259 000	-5 188	4 3667	262 00000	5 188	9 50	4 25E+01	73 64
260 000	-5 191	4 3833	263 00000	5 191	9 50	4 25E+01	73 66
261 000	-5 188	4 4000	264 00000	5 188	9 50	4 25E+01	73 64
262 000	-5 188	4 4167	265 00000	5 188	9 50	4 25E+01	73 64
263 000	-5 188	4 4333	266 00000	5 188	9 50	4 25E+01	73 64
264 000	-5 188	4 4500	267 00000	5 188	9 50	4 25E+01	73 64
265 000	-5 188	4 4667	268 00000	5 188	9 50	4 25E+01	73 64
266 000	-5 188	4 4833	269 00000	5 188	9 50	4 25E+01	73 64
267 000	-5 188	4 5000	270 00000	5 188	9 50	4 25E+01	73 64
268 000	-5 191	4 5167	271 00000	5 191	9 50	4 25E+01	73 66
269 000	-5 188	4 5333	272 00000	5 188	9 50	4 25E+01	73 64
270 000	-5 191	4 5500	273 00000	5 191	9 50	4 25E+01	73 66
271 000	-5 188	4 5667	274 00000	5 188	9 50	4 25E+01	73 64
272 000	-5 188	4 5833	275 00000	5 188	9 50	4 25E+01	73 64
273 000	-5 188	4 6000	276 00000	5 188	9 50	4 25E+01	73 64
274 000	-5 188	4 6167	277 00000	5 188	9 50	4 25E+01	73 64
275 000	-5 188	4 6333	278 00000	5 188	9 50	4 25E+01	73 64
276 000	-5 191	4 6500	279 00000	5 191	9 50	4 25E+01	73 66
277 000	-5 191	4 6667	280 00000	5 191	9 50	4 25E+01	73 66
278 000	-5 191	4 6833	281 00000	5 191	9 50	4 25E+01	73 66
279 000	-5 191	4 7000	282 00000	5 191	9 50	4 25E+01	73 66
280 000	-5 191	4 7167	283 00000	5 191	9 50	4 25E+01	73 66
281 000	-5 191	4 7333	284 00000	5 191	9 50	4 25E+01	73 66
282 000	-5 191	4 7500	285 00000	5 191	9 50	4 25E+01	73 66
283 000	-5 191	4 7667	286 00000	5 191	9 50	4 25E+01	73 66
284 000	-5 191	4 7833	287 00000	5 191	9 50	4 25E+01	73 66
285 000	-5 191	4 8000	288 00000	5 191	9 50	4 25E+01	73 66
286 000	-5 191	4 8167	289 00000	5 191	9 50	4 25E+01	73 66
287 000	-5 191	4 8333	290 00000	5 191	9 50	4 25E+01	73 66
288 000	-5 191	4 8500	291 00000	5 191	9 50	4 25E+01	73 66
289 000	-5 191	4 8667	292 00000	5 191	9 50	4 25E+01	73 66
290 000	-5 191	4 8833	293 00000	5 191	9 50	4 25E+01	73 66
291 000	-5 191	4 9000	294 00000	5 191	9 50	4 25E+01	73 66
292 000	-5 191	4 9167	295 00000	5 191	9 50	4 25E+01	73 66
293 000	-5 191	4 9333	296 00000	5 191	9 50	4 25E+01	73 66
294 000	-5 191	4 9500	297 00000	5 191	9 50	4 25E+01	73 66
295 000	-5 191	4 9667	298 00000	5 191	9 50	4 25E+01	73 66
296 000	-5 191	4 9833	299 00000	5 191	9 50	4 25E+01	73 66
297 000	-5 191	5 0000	300 00000	5 191	9 50	4 25E+01	73 66
298 000	-5 191	5 0167	301 00000	5 191	9 50	4 25E+01	73 66
299 000	-5 191	5 0333	302 00000	5 191	9 50	4 25E+01	73 66
300 000	-5 191	5 0500	303 00000	5 191	9 50	4 25E+01	73 66
301 000	-5 191	5 0667	304 00000	5 191	9 50	4 25E+01	73 66
302 000	-5 191	5 0833	305 00000	5 191	9 50	4 25E+01	73 66
303 000	-5 191	5 1000	306 00000	5 191	9 50	4 25E+01	73 66
304 000	-5 191	5 1167	307 00000	5 191	9 50	4 25E+01	73 66
305 000	-5 188	5 1333	308 00000	5 188	9 50	4 25E+01	73 64
306 000	-5 188	5 1500	309 00000	5 188	9 50	4 25E+01	73 64
307 000	-5 191	5 1667	310 00000	5 191	9 50	4 25E+01	73 66
308 000	-5 191	5 1833	311 00000	5 191	9 50	4 25E+01	73 66
309 000	-5 188	5 2000	312 00000	5 188	9 50	4 25E+01	73 64
310 000	-5 188	5 2167	313 00000	5 188	9 50	4 25E+01	73 64
311 000	-5 188	5 2333	314 00000	5 188	9 50	4 25E+01	73 64
312 000	-5 188	5 2500	315 00000	5 188	9 50	4 25E+01	73 64
313 000	-5 188	5 2667	316 00000	5 188	9 50	4 25E+01	73 64
314 000	-5 188	5 2833	317 00000	5 188	9 50	4 25E+01	73 64
315 000	-5 188	5 3000	318 00000	5 188	9 50	4 25E+01	73 64
316 000	-5 191	5 3167	319 00000	5 191	9 50	4 25E+01	73 66
317 000	-5 188	5 3333	320 00000	5 188	9 50	4 25E+01	73 64
318 000	-5 188	5 3500	321 00000	5 188	9 50	4 25E+01	73 64
319 000	-5 191	5 3667	322 00000	5 191	9 50	4 25E+01	73 66
320 000	-5 191	5 3833	323 00000	5 191	9 50	4 25E+01	73 66
321 000	-5 191	5 4000	324 00000	5 191	9 50	4 25E+01	73 66
322 000	-5 191	5 4167	325 00000	5 191	9 50	4 25E+01	73 66
323 000	-5 191	5 4333	326 00000	5 191	9 50	4 25E+01	73 66
324 000	-5 191	5 4500	327 00000	5 191	9 50	4 25E+01	73 66
325 000	-5 191	5 4667	328 00000	5 191	9 50	4 25E+01	73 66

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
326 000	-5 191	5 4833	329 00000	5 191	9 50	4 25E+01	73 66	
327 000	-5 191	5 5000	330 00000	5 191	9 50	4 25E+01	73 66	
328 000	-5 191	5 5167	331 00000	5 191	9 50	4 25E+01	73 66	
329 000	-5 191	5 5333	332 00000	5 191	9 50	4 25E+01	73 66	
330 000	-5 191	5 5500	333 00000	5 191	9 50	4 25E+01	73 66	
331 000	-5 188	5 5667	334 00000	5 188	9 50	4 25E+01	73 64	
332 000	-5 191	5 5833	335 00000	5 191	9 50	4 25E+01	73 66	
333 000	-5 191	5 6000	336 00000	5 191	9 50	4 25E+01	73 66	
334 000	-5 191	5 6167	337 00000	5 191	9 50	4 25E+01	73 66	
335 000	-5 191	5 6333	338 00000	5 191	9 50	4 25E+01	73 66	
336 000	-5 191	5 6500	339 00000	5 191	9 50	4 25E+01	73 66	
337 000	-5 191	5 6667	340 00000	5 191	9 50	4 25E+01	73 66	
338 000	-5 191	5 6833	341 00000	5 191	9 50	4 25E+01	73 66	
339 000	-5 191	5 7000	342 00000	5 191	9 50	4 25E+01	73 66	
340 000	-5 191	5 7167	343 00000	5 191	9 50	4 25E+01	73 66	
341 000	-5 191	5 7333	344 00000	5 191	9 50	4 25E+01	73 66	
342 000	-5 191	5 7500	345 00000	5 191	9 50	4 25E+01	73 66	
343 000	-5 188	5 7667	346 00000	5 188	9 50	4 25E+01	73 64	
344 000	-5 191	5 7833	347 00000	5 191	9 50	4 25E+01	73 66	
345 000	-5 191	5 8000	348 00000	5 191	9 50	4 25E+01	73 66	
346 000	-5 191	5 8167	349 00000	5 191	9 50	4 25E+01	73 66	
347 000	-5 191	5 8333	350 00000	5 191	9 50	4 25E+01	73 66	
348 000	-5 188	5 8500	351 00000	5 188	9 50	4 25E+01	73 64	
349 000	-5 188	5 8667	352 00000	5 188	9 50	4 25E+01	73 64	
350 000	-5 188	5 8833	353 00000	5 188	9 50	4 25E+01	73 64	
351 000	-5 188	5 9000	354 00000	5 188	9 50	4 25E+01	73 64	
352 000	-5 191	5 9167	355 00000	5 191	9 50	4 25E+01	73 66	
353 000	-5 191	5 9333	356 00000	5 191	9 50	4 25E+01	73 66	
354 000	-5 188	5 9500	357 00000	5 188	9 50	4 25E+01	73 64	
355 000	-5 191	5 9667	358 00000	5 191	9 50	4 25E+01	73 66	
356 000	-5 188	5 9833	359 00000	5 188	9 50	4 25E+01	73 64	
357 000	-5 188	6 0000	360 00000	5 188	9 50	4 25E+01	73 64	
358 000	-5 188	6.0167	361 00000	5 188	9 50	4 25E+01	73 64	
359 000	-5 188	6 0333	362 00000	5 188	9 50	4 25E+01	73 64	
360 000	-5 188	6 0500	363 00000	5 188	9 50	4 25E+01	73 64	
361 000	-5 188	6 0667	364 00000	5 188	9 50	4 25E+01	73 64	
362 000	-5 188	6.0833	365 00000	5 188	9 50	4 25E+01	73 64	
363 000	-5 188	6 1000	366 00000	5 188	9 50	4 25E+01	73 64	
364 000	-5 188	6 1167	367 00000	5 188	9 50	4 25E+01	73 64	
365 000	-5 188	6 1333	368 00000	5 188	9 50	4 25E+01	73 64	
366 000	-5 188	6 1500	369 00000	5 188	9 50	4 25E+01	73 64	
367 000	-5 188	6.1667	370 00000	5 188	9 50	4 25E+01	73 64	
368 000	-5 188	6 1833	371 00000	5 188	9 50	4 25E+01	73 64	
369 000	-5 188	6 2000	372 00000	5 188	9 50	4 25E+01	73 64	
370 000	-5 191	6.2167	373 00000	5 191	9 50	4 25E+01	73 66	
371 000	-5 191	6 2333	374 00000	5 191	9 50	4 25E+01	73 66	
372 000	-5 188	6 2500	375 00000	5 188	9 50	4 25E+01	73 64	
373 000	-5 191	6 2667	376 00000	5 191	9 50	4 25E+01	73 66	
374 000	-5 191	6 2833	377 00000	5 191	9 50	4 25E+01	73 66	
375 000	-5 191	6 3000	378 00000	5 191	9 50	4 25E+01	73 66	
376 000	-5 191	6 3167	379 00000	5 191	9 50	4 25E+01	73 66	
377 000	-5 191	6 3333	380 00000	5 191	9 50	4 25E+01	73 66	
378 000	-5 188	6 3500	381 00000	5 188	9 50	4 25E+01	73 64	
379 000	-5 188	6 3667	382 00000	5 188	9 50	4 25E+01	73 64	
380 000	-5 191	6 3833	383 00000	5 191	9 50	4 25E+01	73 66	
381 000	-5 188	6 4000	384 00000	5 188	9 50	4 25E+01	73 64	
382 000	-5 188	6 4167	385 00000	5 188	9 50	4 25E+01	73 64	
383 000	-5 191	6 4333	386 00000	5 191	9 50	4 25E+01	73 66	
384 000	-5 188	6 4500	387 00000	5 188	9 50	4 25E+01	73 64	
385 000	-5 191	6 4667	388 00000	5 191	9 50	4 25E+01	73 66	
386 000	-5 191	6 4833	389 00000	5 191	9 50	4 25E+01	73 66	
387 000	-5 191	6 5000	390 00000	5 191	9 50	4 25E+01	73 66	
388 000	-5 191	6 5167	391 00000	5 191	9 50	4 25E+01	73 66	
389 000	-5 191	6 5333	392 00000	5 191	9 50	4 25E+01	73 66	
390 000	-5 191	6 5500	393 00000	5 191	9 50	4 25E+01	73 66	
391 000	-5 191	6 5667	394 00000	5 191	9 50	4 25E+01	73 66	
392 000	-5 191	6 5833	395 00000	5 191	9 50	4 25E+01	73 66	
393 000	-5 191	6 6000	396 00000	5 191	9 50	4 25E+01	73 66	
394 000	-5 191	6 6167	397 00000	5 191	9 50	4 25E+01	73 66	
395 000	-5 191	6 6333	398 00000	5 191	9 50	4 25E+01	73 66	
396 000	-5 191	6 6500	399 00000	5 191	9 50	4 25E+01	73 66	
397 000	-5 191	6 6667	400 00000	5 191	9 50	4 25E+01	73 66	

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
398 000	-5 191	6 6833	401 00000	5 191	9 50	4 25E+01	73 66	
399 000	-5 191	6.7000	402 00000	5 191	9 50	4 25E+01	73 66	
400 000	-5 191	6 7167	403 00000	5 191	9 50	4 25E+01	73 66	
401 000	-5 191	6.7333	404 00000	5 191	9 50	4 25E+01	73 66	
402 000	-5 191	6 7500	405 00000	5 191	9 50	4 25E+01	73 66	
403 000	-5 191	6 7667	406 00000	5 191	9 50	4 25E+01	73 66	
404 000	-5 191	6.7833	407 00000	5 191	9 50	4 25E+01	73 66	
405 000	-5 191	6.8000	408 00000	5 191	9 50	4 25E+01	73 66	
406 000	-5 191	6 8167	409 00000	5 191	9 50	4 25E+01	73 66	
407 000	-5 191	6 8333	410 00000	5 191	9 50	4 25E+01	73 66	
408 000	-5 191	6 8500	411 00000	5 191	9 50	4 25E+01	73 66	
409 000	-5 191	6.8667	412 00000	5 191	9 50	4 25E+01	73 66	
410 000	-5 191	6.8833	413 00000	5 191	9 50	4 25E+01	73 66	
411 000	-5 191	6.9000	414 00000	5 191	9 50	4 25E+01	73 66	
412 000	-5 191	6 9167	415 00000	5 191	9 50	4 25E+01	73 66	
413 000	-5 191	6 9333	416 00000	5 191	9 50	4 25E+01	73 66	
414 000	-5 191	6.9500	417 00000	5 191	9 50	4 25E+01	73 66	
415 000	-5 191	6.9667	418 00000	5 191	9 50	4 25E+01	73 66	
416 000	-5 191	6.9833	419 00000	5 191	9 50	4 25E+01	73 66	
417 000	-5 191	7 0000	420 00000	5 191	9 50	4 25E+01	73 66	
418 000	-5 191	7 0167	421 00000	5 191	9 50	4 25E+01	73 66	
419 000	-5 191	7 0333	422 00000	5 191	9 50	4 25E+01	73 66	
420 000	-5 191	7 0500	423 00000	5 191	9 50	4 25E+01	73 66	
421 000	-5 191	7 0667	424 00000	5 191	9 50	4 25E+01	73 66	
422 000	-5 195	7 0833	425 00000	5 195	9 49	4 25E+01	73 69	
423 000	-5 195	7 1000	426 00000	5 195	9 49	4 25E+01	73 69	
424 000	-5 191	7 1167	427 00000	5 191	9 50	4 25E+01	73 66	
425 000	-5 195	7 1333	428 00000	5 195	9 49	4 25E+01	73 69	
426 000	-5 195	7 1500	429 00000	5 195	9 49	4 25E+01	73 69	
427 000	-5 195	7 1667	430 00000	5 195	9 49	4 25E+01	73 69	
428 000	-5 195	7 1833	431 00000	5 195	9 49	4 25E+01	73 69	
429 000	-5 195	7 2000	432 00000	5 195	9 49	4 25E+01	73 69	
430 000	-5 195	7 2167	433 00000	5 195	9 49	4 25E+01	73 69	
431 000	-5 195	7 2333	434 00000	5 195	9 49	4 25E+01	73 69	
432 000	-5 195	7 2500	435 00000	5 195	9 49	4 25E+01	73 69	
433 000	-5 195	7 2667	436 00000	5 195	9 49	4 25E+01	73 69	
434 000	-5 195	7 2833	437 00000	5 195	9 49	4 25E+01	73 69	
435 000	-5 195	7 3000	438 00000	5 195	9 49	4 25E+01	73 69	
436 000	-5 195	7 3167	439 00000	5 195	9 49	4 25E+01	73 69	
437 000	-5 195	7 3333	440 00000	5 195	9 49	4 25E+01	73 69	
438 000	-5 195	7 3500	441 00000	5 195	9 49	4 25E+01	73 69	
439 000	-5 195	7 3667	442 00000	5 195	9 49	4 25E+01	73 69	
440 000	-5 195	7 3833	443 00000	5 195	9 49	4 25E+01	73 69	
441 000	-5 195	7 4000	444 00000	5 195	9 49	4 25E+01	73 69	
442 000	-5 198	7 4167	445 00000	5 198	9 49	4 26E+01	73 72	
443 000	-5 198	7 4333	446 00000	5 198	9 49	4 26E+01	73 72	
444 000	-5 198	7 4500	447 00000	5 198	9 49	4 26E+01	73 72	
445 000	-5 198	7 4667	448 00000	5 198	9 49	4 26E+01	73 72	
446 000	-5 198	7 4833	449 00000	5 198	9 49	4 26E+01	73 72	
447 000	-5 198	7 5000	450 00000	5 198	9 49	4 26E+01	73 72	
448 000	-5 198	7 5167	451 00000	5 198	9 49	4 26E+01	73 72	
449 000	-5 198	7 5333	452 00000	5 198	9 49	4 26E+01	73 72	
450 000	-5 198	7 5500	453 00000	5 198	9 49	4 26E+01	73 72	
451 000	-5 198	7 5667	454 00000	5 198	9 49	4 26E+01	73 72	
452 000	-5 198	7 5833	455 00000	5 198	9 49	4 26E+01	73 72	
453 000	-5 198	7 6000	456 00000	5 198	9 49	4 26E+01	73 72	
454 000	-5 198	7 6167	457 00000	5 198	9 49	4 26E+01	73 72	
455 000	-5 198	7 6333	458 00000	5 198	9 49	4 26E+01	73 72	
456 000	-5 198	7 6500	459 00000	5 198	9 49	4 26E+01	73 72	
457 000	-5 198	7 6667	460 00000	5 198	9 49	4 26E+01	73 72	
458 000	-5 198	7 6833	461 00000	5 198	9 49	4 26E+01	73 72	
459 000	-5 198	7 7000	462 00000	5 198	9 49	4 26E+01	73 72	
460 000	-5 198	7 7167	463 00000	5 198	9 49	4 26E+01	73 72	
461 000	-5 198	7 7333	464 00000	5 198	9 49	4 26E+01	73 72	
462 000	-5 198	7 7500	465 00000	5 198	9 49	4 26E+01	73 72	
463 000	-5 198	7 7667	466 00000	5 198	9 49	4 26E+01	73 72	
464 000	-5 198	7 7833	467 00000	5 198	9 49	4 26E+01	73 72	
465 000	-5 198	7 8000	468 00000	5 198	9 49	4 26E+01	73 72	
466 000	-5 198	7 8167	469 00000	5 198	9 49	4 26E+01	73 72	
467 000	-5 198	7 8333	470 00000	5 198	9 49	4 26E+01	73 72	
468 000	-5 198	7 8500	471 00000	5 198	9 49	4 26E+01	73 72	
469 000	-5 201	7 8667	472 00000	5 201	9 49	4 26E+01	73 74	

Input data		Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
470 000	-5 201		7 8833		473.00000	5 201	9 49	4 26E+01	73 74	
471 000	-5 201		7 9000		474.00000	5 201	9 49	4 26E+01	73 74	
472 000	-5 201		7 9167		475.00000	5 201	9 49	4 26E+01	73 74	
473 000	-5 201		7 9333		476.00000	5 201	9 49	4 26E+01	73 74	
474 000	-5 201		7 9500		477.00000	5 201	9 49	4 26E+01	73 74	
475 000	-5 201		7 9667		478.00000	5 201	9 49	4 26E+01	73 74	
476 000	-5 201		7 9833		479.00000	5 201	9 49	4 26E+01	73 74	
477 000	-5 201		8 0000		480.00000	5 201	9 49	4 26E+01	73 74	
478 000	-5 201		8 0167		481.00000	5 201	9 49	4 26E+01	73 74	
479 000	-5 201		8 0333		482.00000	5 201	9 49	4 26E+01	73 74	
480 000	-5 201		8 0500		483.00000	5 201	9 49	4 26E+01	73 74	
481 000	-5 201		8 0667		484.00000	5 201	9 49	4 26E+01	73 74	
482 000	-5 201		8 0833		485.00000	5 201	9 49	4 26E+01	73 74	
483 000	-5 201		8 1000		486.00000	5 201	9 49	4 26E+01	73 74	
484 000	-5 201		8 1167		487.00000	5 201	9 49	4 26E+01	73 74	
485 000	-5 201		8 1333		488.00000	5 201	9 49	4 26E+01	73 74	
486 000	-5 201		8 1500		489.00000	5 201	9 49	4 26E+01	73 74	
487 000	-5 204		8 1667		490.00000	5 204	9 49	4 26E+01	73 77	
488 000	-5 204		8 1833		491.00000	5 204	9 49	4 26E+01	73 77	
489 000	-5 204		8 2000		492.00000	5 204	9 49	4 26E+01	73 77	
490 000	-5 204		8 2167		493.00000	5 204	9 49	4 26E+01	73 77	
491 000	-5 204		8 2333		494.00000	5 204	9 49	4 26E+01	73 77	
492 000	-5 204		8 2500		495.00000	5 204	9 49	4 26E+01	73 77	
493 000	-5 204		8 2667		496.00000	5 204	9 49	4 26E+01	73 77	
494 000	-5 204		8 2833		497.00000	5 204	9 49	4 26E+01	73 77	
495 000	-5 204		8 3000		498.00000	5 204	9 49	4 26E+01	73 77	
496 000	-5 204		8 3167		499.00000	5 204	9 49	4 26E+01	73 77	
497 000	-5 204		8 3333		500.00000	5 204	9 49	4 26E+01	73 77	
498 000	-5 207		8 3500		501.00000	5 207	9 48	4 26E+01	73 79	
499 000	-5 207		8 3667		502.00000	5 207	9 48	4 26E+01	73 79	
500 000	-5 207		8 3833		503.00000	5 207	9 48	4 26E+01	73 79	
501 000	-5 207		8 4000		504.00000	5 207	9 48	4 26E+01	73 79	
502 000	-5 207		8 4167		505.00000	5 207	9 48	4 26E+01	73 79	
503 000	-5 207		8 4333		506.00000	5 207	9 48	4 26E+01	73 79	
504 000	-5 207		8 4500		507.00000	5 207	9 48	4 26E+01	73 79	
505 000	-5 207		8 4667		508.00000	5 207	9 48	4 26E+01	73 79	
506 000	-5 207		8 4833		509.00000	5 207	9 48	4 26E+01	73 79	
507 000	-5 207		8 5000		510.00000	5 207	9 48	4 26E+01	73 79	
508 000	-5 207		8 5167		511.00000	5 207	9 48	4 26E+01	73 79	
509 000	-5 207		8 5333		512.00000	5 207	9 48	4 26E+01	73 79	
510 000	-5 207		8 5500		513.00000	5 207	9 48	4 26E+01	73 79	
511 000	-5 207		8 5667		514.00000	5 207	9 48	4 26E+01	73 79	
512 000	-5 207		8 5833		515.00000	5 207	9 48	4 26E+01	73 79	
513 000	-5 207		8 6000		516.00000	5 207	9 48	4 26E+01	73 79	
514 000	-5 207		8 6167		517.00000	5 207	9 48	4 26E+01	73 79	
515 000	-5 207		8 6333		518.00000	5 207	9 48	4 26E+01	73 79	
516 000	-5 207		8 6500		519.00000	5 207	9 48	4 26E+01	73 79	
517 000	-5 207		8 6667		520.00000	5 207	9 48	4 26E+01	73 79	
518 000	-5 207		8 6833		521.00000	5 207	9 48	4 26E+01	73 79	
519 000	-5 210		8 7000		522.00000	5 210	9 48	4 27E+01	73 82	
520 000	-5 210		8 7167		523.00000	5 210	9 48	4 27E+01	73 82	
521 000	-5 207		8 7333		524.00000	5 207	9 48	4 26E+01	73 79	
522 000	-5 210		8 7500		525.00000	5 210	9 48	4 27E+01	73 82	
523 000	-5 210		8 7667		526.00000	5 210	9 48	4 27E+01	73 82	
524 000	-5 210		8 7833		527.00000	5 210	9 48	4 27E+01	73 82	
525 000	-5 210		8 8000		528.00000	5 210	9 48	4 27E+01	73 82	
526 000	-5 210		8 8167		529.00000	5 210	9 48	4 27E+01	73 82	
527 000	-5 210		8 8333		530.00000	5 210	9 48	4 27E+01	73 82	
528 000	-5 210		8 8500		531.00000	5 210	9 48	4 27E+01	73 82	
529 000	-5 210		8 8667		532.00000	5 210	9 48	4 27E+01	73 82	
530 000	-5 210		8 8833		533.00000	5 210	9 48	4 27E+01	73 82	
531 000	-5 210		8 9000		534.00000	5 210	9 48	4 27E+01	73 82	
532 000	-5 210		8 9167		535.00000	5 210	9 48	4 27E+01	73 82	
533 000	-5 210		8 9333		536.00000	5 210	9 48	4 27E+01	73 82	
534 000	-5 210		8 9500		537.00000	5 210	9 48	4 27E+01	73 82	
535 000	-5 210		8 9667		538.00000	5 210	9 48	4 27E+01	73 82	
536 000	-5 210		8 9833		539.00000	5 210	9 48	4 27E+01	73 82	
537 000	-5 210		9 0000		540.00000	5 210	9 48	4 27E+01	73 82	
538 000	-5 210		9 0167		541.00000	5 210	9 48	4 27E+01	73 82	
539 000	-5 210		9 0333		542.00000	5 210	9 48	4 27E+01	73 82	
540 000	-5 210		9 0500		543.00000	5 210	9 48	4 27E+01	73 82	
541 000	-5 210		9 0667		544.00000	5 210	9 48	4 27E+01	73 82	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
542.000	-5 214	9 0833	9 0833	545 00000	5 214	9 48	4 27E+01	73 85
543 000	-5 214	9 1000	9 1000	546.00000	5 214	9 48	4 27E+01	73 85
544 000	-5 214	9 1167	9 1167	547 00000	5 214	9 48	4 27E+01	73 85
545 000	-5 214	9 1333	9 1333	548 00000	5 214	9 48	4 27E+01	73 85
546 000	-5 210	9 1500	9 1500	549 00000	5 210	9 48	4 27E+01	73 82
547 000	-5 214	9 1667	9 1667	550 00000	5 214	9 48	4 27E+01	73 85
548 000	-5 214	9 1833	9 1833	551 00000	5 214	9 48	4 27E+01	73 85
549 000	-5 214	9 2000	9 2000	552.00000	5 214	9 48	4 27E+01	73 85
550 000	-5 214	9 2167	9 2167	553 00000	5 214	9 48	4 27E+01	73 85
551 000	-5 214	9 2333	9 2333	554 00000	5 214	9 48	4 27E+01	73 85
552.000	-5 214	9 2500	9 2500	555 00000	5 214	9 48	4 27E+01	73 85
553 000	-5 214	9 2667	9 2667	556.00000	5 214	9 48	4 27E+01	73 85
554 000	-5 214	9 2833	9 2833	557 00000	5 214	9 48	4 27E+01	73 85
555 000	-5 214	9 3000	9 3000	558 00000	5 214	9 48	4 27E+01	73 85
556 000	-5 214	9 3167	9 3167	559 00000	5 214	9 48	4 27E+01	73 85
557 000	-5 214	9 3333	9 3333	560 00000	5 214	9 48	4 27E+01	73 85
558 000	-5 214	9 3500	9 3500	561 00000	5 214	9 48	4 27E+01	73 85
559 000	-5 214	9 3667	9 3667	562 00000	5 214	9 48	4 27E+01	73 85
560 000	-5 214	9 3833	9 3833	563 00000	5 214	9 48	4 27E+01	73 85
561 000	-5 214	9 4000	9 4000	564 00000	5 214	9 48	4 27E+01	73 85
562 000	-5 214	9 4167	9 4167	565 00000	5 214	9 48	4 27E+01	73 85
563 000	-5 214	9 4333	9 4333	566 00000	5 214	9 48	4 27E+01	73 85
564 000	-5 217	9 4500	9 4500	567 00000	5 217	9 47	4 27E+01	73 87
565 000	-5 217	9 4667	9 4667	568 00000	5 217	9 47	4 27E+01	73 87
566 000	-5 217	9 4833	9 4833	569 00000	5 217	9 47	4 27E+01	73 87
567 000	-5 217	9 5000	9 5000	570 00000	5 217	9 47	4 27E+01	73 87
568 000	-5 217	9 5167	9 5167	571 00000	5 217	9 47	4 27E+01	73 87
569 000	-5 217	9 5333	9 5333	572 00000	5 217	9 47	4 27E+01	73 87
570 000	-5 217	9 5500	9 5500	573 00000	5 217	9 47	4 27E+01	73 87
571 000	-5 217	9 5667	9 5667	574 00000	5 217	9 47	4 27E+01	73 87
572 000	-5 217	9 5833	9 5833	575 00000	5 217	9 47	4 27E+01	73 87
573 000	-5 217	9 6000	9 6000	576 00000	5 217	9 47	4 27E+01	73 87
574 000	-5 217	9 6167	9 6167	577 00000	5 217	9 47	4 27E+01	73 87
575 000	-5 217	9 6333	9 6333	578 00000	5 217	9 47	4 27E+01	73 87
576 000	-5 217	9 6500	9 6500	579 00000	5 217	9 47	4 27E+01	73 87
577 000	-5 217	9 6667	9 6667	580 00000	5 217	9 47	4 27E+01	73 87
578 000	-5 217	9 6833	9 6833	581 00000	5 217	9 47	4 27E+01	73 87
579 000	-5 217	9 7000	9 7000	582 00000	5 217	9 47	4 27E+01	73 87
580 000	-5 217	9 7167	9 7167	583 00000	5 217	9 47	4 27E+01	73 87
581 000	-5 217	9 7333	9 7333	584 00000	5 217	9 47	4 27E+01	73 87
582 000	-5 217	9 7500	9 7500	585 00000	5 217	9 47	4 27E+01	73 87
583 000	-5 217	9 7667	9 7667	586 00000	5 217	9 47	4 27E+01	73 87
584 000	-5 217	9 7833	9 7833	587 00000	5 217	9 47	4 27E+01	73 87
585 000	-5 217	9 8000	9 8000	588 00000	5 217	9 47	4 27E+01	73 87
586 000	-5 217	9 8167	9 8167	589 00000	5 217	9 47	4 27E+01	73 87
587 000	-5 217	9 8333	9 8333	590 00000	5 217	9 47	4 27E+01	73 87
588 000	-5 217	9 8500	9 8500	591 00000	5 217	9 47	4 27E+01	73 87
589 000	-5 217	9 8667	9 8667	592 00000	5 217	9 47	4 27E+01	73 87
590 000	-5 217	9 8833	9 8833	593 00000	5 217	9 47	4 27E+01	73 87
591 000	-5 217	9 9000	9 9000	594 00000	5 217	9 47	4 27E+01	73 87
592,000	-5 217	9 9167	9 9167	595 00000	5 217	9 47	4 27E+01	73 87
593 000	-5 217	9 9333	9 9333	596 00000	5 217	9 47	4 27E+01	73 87
594 000	-5 217	9 9500	9 9500	597 00000	5 217	9 47	4 27E+01	73 87
595 000	-5 217	9 9667	9 9667	598 00000	5 217	9 47	4 27E+01	73 87
596 000	-5 217	9 9833	9 9833	599 00000	5 217	9 47	4 27E+01	73 87
597 000	-5 217	10 0000	10 0000	600 00000	5 217	9 47	4 27E+01	73 87
598 000	-5 217	10 0167	10 0167	601 00000	5 217	9 47	4 27E+01	73 87
599 000	-5 217	10 0333	10 0333	602 00000	5 217	9 47	4 27E+01	73 87
600 000	-5 217	10 0500	10 0500	603 00000	5 217	9 47	4 27E+01	73 87
601 000	-5 217	10 0667	10 0667	604 00000	5 217	9 47	4 27E+01	73 87
602 000	-5 220	10 0833	10 0833	605 00000	5 220	9 47	4 27E+01	73 90
603 000	-5 220	10 1000	10 1000	606 00000	5 220	9 47	4 27E+01	73 90
604 000	-5 217	10 1167	10 1167	607 00000	5 217	9 47	4 27E+01	73 87
605 000	-5 217	10 1333	10 1333	608 00000	5 217	9 47	4 27E+01	73 87
606 000	-5 220	10 1500	10 1500	609 00000	5 220	9 47	4 27E+01	73 90
607 000	-5 220	10 1667	10 1667	610 00000	5 220	9 47	4 27E+01	73 90
608 000	-5 220	10 1833	10 1833	611 00000	5 220	9 47	4 27E+01	73 90
609 000	-5 220	10 2000	10 2000	612 00000	5 220	9 47	4 27E+01	73 90
610 000	-5 220	10 2167	10 2167	613 00000	5 220	9 47	4 27E+01	73 90
611 000	-5 220	10 2333	10 2333	614 00000	5 220	9 47	4 27E+01	73 90
612 000	-5 220	10 2500	10 2500	615 00000	5 220	9 47	4 27E+01	73 90
613 000	-5 220	10 2667	10 2667	616 00000	5 220	9 47	4 27E+01	73 90

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
614 000	-5 220	10 2833	617 00000	5 220	9 47	4 27E+01	73 90		
615 000	-5 220	10 3000	618 00000	5 220	9 47	4 27E+01	73 90		
616 000	-5 220	10 3167	619 00000	5 220	9 47	4 27E+01	73 90		
617 000	-5 220	10 3333	620 00000	5 220	9 47	4 27E+01	73 90		
618 000	-5 220	10 3500	621 00000	5 220	9 47	4 27E+01	73 90		
619 000	-5 220	10 3667	622 00000	5 220	9 47	4 27E+01	73 90		
620 000	-5 220	10 3833	623 00000	5 220	9 47	4 27E+01	73 90		
621 000	-5 220	10 4000	624 00000	5 220	9 47	4 27E+01	73 90		
622 000	-5 220	10 4167	625 00000	5 220	9 47	4 27E+01	73 90		
623 000	-5 220	10 4333	626 00000	5 220	9 47	4 27E+01	73 90		
624 000	-5 220	10 4500	627 00000	5 220	9 47	4 27E+01	73 90		
625 000	-5 220	10 4667	628 00000	5 220	9 47	4 27E+01	73 90		
626 000	-5 220	10 4833	629 00000	5 220	9 47	4 27E+01	73 90		
627 000	-5 220	10 5000	630 00000	5 220	9 47	4 27E+01	73 90		
628 000	-5 220	10 5167	631 00000	5 220	9 47	4 27E+01	73 90		
629 000	-5 220	10 5333	632 00000	5 220	9 47	4 27E+01	73 90		
630 000	-5 220	10 5500	633 00000	5 220	9 47	4 27E+01	73 90		
631 000	-5 220	10 5667	634 00000	5 220	9 47	4 27E+01	73 90		
632 000	-5 220	10 5833	635 00000	5 220	9 47	4 27E+01	73 90		
633 000	-5 220	10 6000	636 00000	5 220	9 47	4 27E+01	73 90		
634 000	-5 220	10 6167	637 00000	5 220	9 47	4 27E+01	73 90		
635 000	-5 220	10 6333	638 00000	5 220	9 47	4 27E+01	73 90		
636 000	-5 220	10 6500	639 00000	5 220	9 47	4 27E+01	73 90		
637 000	-5 220	10 6667	640 00000	5 220	9 47	4 27E+01	73 90		
638 000	-5 220	10 6833	641 00000	5 220	9 47	4 27E+01	73 90		
639 000	-5 220	10 7000	642 00000	5 220	9 47	4 27E+01	73 90		
640 000	-5 220	10 7167	643 00000	5 220	9 47	4 27E+01	73 90		
641 000	-5 220	10 7333	644 00000	5 220	9 47	4 27E+01	73 90		
642 000	-5 220	10 7500	645 00000	5 220	9 47	4 27E+01	73 90		
643 000	-5 220	10 7667	646 00000	5 220	9 47	4 27E+01	73 90		
644 000	-5 220	10 7833	647 00000	5 220	9 47	4 27E+01	73 90		
645 000	-5 220	10 8000	648 00000	5 220	9 47	4 27E+01	73 90		
646 000	-5 220	10 8167	649 00000	5 220	9 47	4 27E+01	73 90		
647 000	-5 220	10 8333	650 00000	5 220	9 47	4 27E+01	73 90		
648 000	-5 220	10 8500	651 00000	5 220	9 47	4 27E+01	73 90		
649 000	-5 220	10 8667	652 00000	5 220	9 47	4 27E+01	73 90		
650 000	-5 220	10 8833	653 00000	5 220	9 47	4 27E+01	73 90		
651 000	-5 220	10 9000	654 00000	5 220	9 47	4 27E+01	73 90		
652 000	-5 220	10 9167	655 00000	5 220	9 47	4 27E+01	73 90		
653 000	-5 220	10 9333	656 00000	5 220	9 47	4 27E+01	73 90		
654 000	-5 220	10 9500	657 00000	5 220	9 47	4 27E+01	73 90		
655 000	-5 220	10 9667	658 00000	5 220	9 47	4 27E+01	73 90		
656 000	-5 220	10 9833	659 00000	5 220	9 47	4 27E+01	73 90		
657 000	-5 220	11 0000	660 00000	5 220	9 47	4 27E+01	73 90		
658 000	-5 220	11 0167	661 00000	5 220	9 47	4 27E+01	73 90		
659 000	-5 223	11 0333	662 00000	5 223	9 47	4 28E+01	73 92		
660 000	-5 220	11 0500	663 00000	5 220	9 47	4 27E+01	73 90		
661 000	-5 220	11 0667	664 00000	5 220	9 47	4 27E+01	73 90		
662 000	-5 223	11 0833	665 00000	5 223	9 47	4 28E+01	73 92		
663 000	-5 223	11 1000	666 00000	5 223	9 47	4 28E+01	73 92		
664 000	-5 223	11 1167	667 00000	5 223	9 47	4 28E+01	73 92		
665 000	-5 223	11 1333	668 00000	5 223	9 47	4 28E+01	73 92		
666 000	-5 223	11 1500	669 00000	5 223	9 47	4 28E+01	73 92		
667 000	-5 223	11 1667	670 00000	5 223	9 47	4 28E+01	73 92		
668 000	-5 223	11 1833	671 00000	5 223	9 47	4 28E+01	73 92		
669 000	-5 223	11 2000	672 00000	5 223	9 47	4 28E+01	73 92		
670 000	-5 223	11 2167	673 00000	5 223	9 47	4 28E+01	73 92		
671 000	-5 223	11 2333	674 00000	5 223	9 47	4 28E+01	73 92		
672 000	-5 223	11 2500	675 00000	5 223	9 47	4 28E+01	73 92		
673 000	-5 223	11 2667	676 00000	5 223	9 47	4 28E+01	73 92		
674 000	-5 223	11 2833	677 00000	5 223	9 47	4 28E+01	73 92		
675 000	-5 223	11 3000	678 00000	5 223	9 47	4 28E+01	73 92		
676 000	-5 223	11 3167	679 00000	5 223	9 47	4 28E+01	73 92		
677 000	-5 223	11 3333	680 00000	5 223	9 47	4 28E+01	73 92		
678 000	-5 223	11 3500	681 00000	5 223	9 47	4 28E+01	73 92		
679 000	-5 223	11 3667	682 00000	5 223	9 47	4 28E+01	73 92		
680 000	-5 223	11 3833	683 00000	5 223	9 47	4 28E+01	73 92		
681 000	-5 223	11 4000	684 00000	5 223	9 47	4 28E+01	73 92		
682 000	-5 223	11 4167	685 00000	5 223	9 47	4 28E+01	73 92		
683 000	-5 223	11 4333	686 00000	5 223	9 47	4 28E+01	73 92		
684 000	-5 223	11 4500	687 00000	5 223	9 47	4 28E+01	73 92		
685 000	-5 223	11 4667	688 00000	5 223	9 47	4 28E+01	73 92		

Input data				Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)					
686 000	-5 223	11 4833	689 00000	5 223	9 47	4 28E+01	73 92	
687 000	-5 223	11 5000	690 00000	5 223	9 47	4 28E+01	73 92	
688 000	-5 223	11 5167	691 00000	5 223	9 47	4 28E+01	73 92	
689 000	-5 223	11 5333	692 00000	5 223	9 47	4 28E+01	73 92	
690 000	-5 223	11 5500	693 00000	5 223	9 47	4 28E+01	73 92	
691 000	-5 223	11 5667	694 00000	5 223	9 47	4 28E+01	73 92	
692 000	-5 223	11 5833	695 00000	5 223	9 47	4 28E+01	73 92	
693 000	-5 223	11 6000	696 00000	5 223	9 47	4 28E+01	73 92	
694 000	-5 223	11 6167	697 00000	5 223	9 47	4 28E+01	73 92	
695 000	-5 223	11 6333	698 00000	5 223	9 47	4 28E+01	73 92	
696 000	-5 223	11 6500	699 00000	5 223	9 47	4 28E+01	73 92	
697 000	-5 223	11 6667	700 00000	5 223	9 47	4 28E+01	73 92	
698 000	-5 223	11 6833	701 00000	5 223	9 47	4 28E+01	73 92	
699 000	-5 223	11 7000	702 00000	5 223	9 47	4 28E+01	73 92	
700 000	-5 223	11 7167	703 00000	5 223	9 47	4 28E+01	73 92	
701 000	-5 223	11 7333	704 00000	5 223	9 47	4 28E+01	73 92	
702 000	-5 223	11 7500	705 00000	5 223	9 47	4 28E+01	73 92	
703 000	-5 223	11 7667	706 00000	5 223	9 47	4 28E+01	73 92	
704 000	-5 223	11 7833	707 00000	5 223	9 47	4 28E+01	73 92	
705 000	-5 223	11 8000	708 00000	5 223	9 47	4 28E+01	73 92	
706 000	-5 226	11 8167	709 00000	5 226	9 46	4 28E+01	73 95	
707 000	-5 223	11 8333	710 00000	5 223	9 47	4 28E+01	73 92	
708 000	-5 226	11 8500	711 00000	5 226	9 46	4 28E+01	73 95	
709 000	-5 223	11 8667	712 00000	5 223	9 47	4 28E+01	73 92	
710 000	-5 223	11 8833	713 00000	5 223	9 47	4 28E+01	73 92	
711 000	-5 226	11 9000	714 00000	5 226	9 46	4 28E+01	73 95	
712 000	-5 223	11 9167	715 00000	5 223	9 47	4 28E+01	73 92	
713 000	-5 223	11 9333	716 00000	5 223	9 47	4 28E+01	73 92	
714 000	-5 223	11 9500	717 00000	5 223	9 47	4 28E+01	73 92	
715 000	-5 223	11 9667	718 00000	5 223	9 47	4 28E+01	73 92	
716 000	-5 223	11 9833	719 00000	5 223	9 47	4 28E+01	73 92	
717 000	-5 223	12.0000	720 00000	5 223	9 47	4 28E+01	73 92	
718 000	-5 223	12.0167	721 00000	5 223	9 47	4 28E+01	73 92	
719 000	-5 223	12.0333	722 00000	5 223	9 47	4 28E+01	73 92	
720 000	-5 226	12.0500	723 00000	5 226	9 46	4 28E+01	73 95	
721 000	-5 226	12.0667	724 00000	5 226	9 46	4 28E+01	73 95	
722 000	-5 226	12.0833	725 00000	5 226	9 46	4 28E+01	73 95	
723 000	-5 226	12.1000	726 00000	5 226	9 46	4 28E+01	73 95	
724 000	-5 226	12.1167	727 00000	5 226	9 46	4 28E+01	73 95	
725 000	-5 226	12.1333	728 00000	5 226	9 46	4 28E+01	73 95	
726 000	-5 226	12.1500	729 00000	5 226	9 46	4 28E+01	73 95	
727 000	-5 226	12.1667	730 00000	5 226	9 46	4 28E+01	73 95	
728 000	-5 226	12.1833	731 00000	5 226	9 46	4 28E+01	73 95	
729 000	-5 226	12.2000	732 00000	5 226	9 46	4 28E+01	73 95	
730 000	-5 226	12.2167	733 00000	5 226	9 46	4 28E+01	73 95	
731 000	-5 223	12.2333	734 00000	5 223	9 47	4 28E+01	73 92	
732 000	-5 223	12.2500	735 00000	5 223	9 47	4 28E+01	73 92	
733 000	-5 223	12.2667	736 00000	5 223	9 47	4 28E+01	73 92	
734 000	-5 223	12.2833	737 00000	5 223	9 47	4 28E+01	73 92	
735 000	-5 223	12.3000	738 00000	5 223	9 47	4 28E+01	73 92	
736 000	-5 223	12.3167	739 00000	5 223	9 47	4 28E+01	73 92	
737 000	-5 223	12.3333	740 00000	5 223	9 47	4 28E+01	73 92	
738 000	-5 223	12.3500	741 00000	5 223	9 47	4 28E+01	73 92	
739 000	-5 223	12.3667	742 00000	5 223	9 47	4 28E+01	73 92	
740 000	-5 223	12.3833	743 00000	5 223	9 47	4 28E+01	73 92	
741 000	-5 223	12.4000	744 00000	5 223	9 47	4 28E+01	73 92	
742 000	-5 223	12.4167	745 00000	5 223	9 47	4 28E+01	73 92	
743 000	-5 223	12.4333	746 00000	5 223	9 47	4 28E+01	73 92	
744 000	-5 223	12.4500	747 00000	5 223	9 47	4 28E+01	73 92	
745 000	-5 223	12.4667	748 00000	5 223	9 47	4 28E+01	73 92	
746 000	-5 223	12.4833	749 00000	5 223	9 47	4 28E+01	73 92	
747 000	-5 223	12.5000	750 00000	5 223	9 47	4 28E+01	73 92	
748 000	-5 223	12.5167	751 00000	5 223	9 47	4 28E+01	73 92	
749 000	-5 223	12.5333	752 00000	5 223	9 47	4 28E+01	73 92	
750 000	-5 223	12.5500	753 00000	5 223	9 47	4 28E+01	73 92	
751 000	-5 223	12.5667	754 00000	5 223	9 47	4 28E+01	73 92	
752 000	-5 223	12.5833	755 00000	5 223	9 47	4 28E+01	73 92	
753 000	-5 223	12.6000	756 00000	5 223	9 47	4 28E+01	73 92	
754 000	-5 223	12.6167	757 00000	5 223	9 47	4 28E+01	73 92	
755 000	-5 223	12.6333	758 00000	5 223	9 47	4 28E+01	73 92	
756 000	-5 220	12.6500	759 00000	5 220	9 47	4 27E+01	73 90	
757 000	-5 223	12.6667	760 00000	5 223	9 47	4 28E+01	73 92	

Input data				Cumulative	Volume of
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Inflow (liters)	water in well (liters)
758 000	-5 220	12.6833	761 00000	5 220	9 47
759 000	-5 220	12.7000	762 00000	5 220	9 47
760 000	-5 220	12.7167	763 00000	5 220	9 47
761 000	-5 223	12.7333	764 00000	5 223	9 47
762 000	-5 220	12.7500	765 00000	5 220	9 47
763 000	-5 223	12.7667	766 00000	5 223	9 47
764 000	-5 220	12.7833	767 00000	5 220	9 47
765 000	-5 220	12.8000	768 00000	5 220	9 47
766 000	-5 223	12.8167	769 00000	5 223	9 47
767 000	-5 223	12.8333	770 00000	5 223	9 47
768 000	-5 220	12.8500	771 00000	5 220	9 47
769 000	-5 223	12.8667	772 00000	5 223	9 47
770 000	-5 223	12.8833	773 00000	5 223	9 47
771 000	-5 223	12.9000	774 00000	5 223	9 47
772 000	-5 223	12.9167	775 00000	5 223	9 47
773 000	-5 223	12.9333	776 00000	5 223	9 47
774 000	-5 223	12.9500	777 00000	5 223	9 47
775 000	-5 223	12.9667	778 00000	5 223	9 47
776 000	-5 223	12.9833	779 00000	5 223	9 47
777 000	-5 223	13 0000	780 00000	5 223	9 47
778 000	-5 223	13 0167	781 00000	5 223	9 47
779 000	-5 223	13 0333	782 00000	5 223	9 47
780 000	-5 223	13 0500	783 00000	5 223	9 47
781 000	-5 223	13 0667	784 00000	5 223	9 47
782 000	-5 223	13 0833	785 00000	5 223	9 47
783 000	-5 223	13 1000	786 00000	5 223	9 47
784 000	-5 223	13 1167	787 00000	5 223	9 47
785 000	-5 223	13 1333	788 00000	5 223	9 47
786 000	-5 223	13 1500	789 00000	5 223	9 47
787 000	-5 223	13 1667	790 00000	5 223	9 47
788 000	-5 223	13 1833	791 00000	5 223	9 47
789 000	-5 223	13 2000	792 00000	5 223	9 47
790 000	-5 223	13 2167	793 00000	5 223	9 47
791 000	-5 223	13 2333	794 00000	5 223	9 47
792 000	-5 223	13 2500	795 00000	5 223	9 47
793 000	-5 223	13 2667	796 00000	5 223	9 47
794 000	-5 223	13 2833	797 00000	5 223	9 47
795 000	-5 223	13 3000	798 00000	5 223	9 47
796 000	-5 223	13 3167	799 00000	5 223	9 47
797 000	-5 223	13 3333	800 00000	5 223	9 47
798 000	-5 223	13 3500	801 00000	5 223	9 47
799 000	-5 223	13 3667	802 00000	5 223	9 47
800 000	-5 223	13 3833	803 00000	5 223	9 47
801 000	-5 223	13 4000	804 00000	5 223	9 47
802 000	-5 223	13 4167	805 00000	5 223	9 47
803 000	-5 223	13 4333	806 00000	5 223	9 47
804 000	-5 223	13 4500	807 00000	5 223	9 47
805 000	-5 223	13 4667	808 00000	5 223	9 47
806 000	-5 223	13 4833	809 00000	5 223	9 47
807 000	-5 223	13 5000	810 00000	5 223	9 47
808 000	-5 223	13 5167	811 00000	5 223	9 47
809 000	-5 223	13 5333	812 00000	5 223	9 47
810 000	-5 223	13 5500	813 00000	5 223	9 47
811 000	-5 223	13 5667	814 00000	5 223	9 47
812 000	-5 223	13 5833	815 00000	5 223	9 47
813 000	-5 223	13 6000	816 00000	5 223	9 47
814 000	-5 223	13 6167	817 00000	5 223	9 47
815 000	-5 223	13 6333	818 00000	5 223	9 47
816 000	-5 223	13 6500	819 00000	5 223	9 47
817 000	-5 223	13 6667	820 00000	5 223	9 47
818 000	-5 223	13 6833	821 00000	5 223	9 47
819 000	-5 223	13 7000	822 00000	5 223	9 47
820 000	-5 223	13 7167	823 00000	5 223	9 47
821 000	-5 223	13 7333	824 00000	5 223	9 47
822 000	-5 223	13 7500	825 00000	5 223	9 47
823 000	-5 223	13 7667	826 00000	5 223	9 47
824 000	-5 223	13 7833	827 00000	5 223	9 47
825 000	-5 223	13 8000	828 00000	5 223	9 47
826 000	-5 223	13 8167	829 00000	5 223	9 47
827 000	-5 223	13 8333	830 00000	5 223	9 47
828 000	-5 223	13 8500	831 00000	5 223	9 47
829 000	-5 223	13 8667	832 00000	5 223	9 47

Input data				Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)				
830 000	-5 223	13 8833	833 00000	5 223	9 47	4 28E+01	73 92
831 000	-5 223	13 9000	834 00000	5 223	9 47	4 28E+01	73 92
832 000	-5 223	13 9167	835 00000	5 223	9 47	4 28E+01	73 92
833 000	-5 223	13 9333	836 00000	5 223	9 47	4 28E+01	73 92
834 000	-5 223	13 9500	837 00000	5 223	9 47	4 28E+01	73 92
835 000	-5 220	13 9667	838 00000	5 220	9 47	4 27E+01	73 90
836 000	-5 220	13 9833	839 00000	5 220	9 47	4 27E+01	73 90
837 000	-5 220	14 0000	840 00000	5 220	9 47	4 27E+01	73 90
838 000	-5 220	14 0167	841 00000	5 220	9 47	4 27E+01	73 90
839 000	-5 220	14 0333	842 00000	5 220	9 47	4 27E+01	73 90
840 000	-5 220	14 0500	843 00000	5 220	9 47	4 27E+01	73 90
841 000	-5 220	14 0667	844 00000	5 220	9 47	4 27E+01	73 90
842 000	-5 220	14 0833	845 00000	5 220	9 47	4 27E+01	73 90
843 000	-5 220	14 1000	846 00000	5 220	9 47	4 27E+01	73 90
844 000	-5 220	14 1167	847 00000	5 220	9 47	4 27E+01	73 90
845 000	-5 220	14 1333	848 00000	5 220	9 47	4 27E+01	73 90
846 000	-5 220	14 1500	849 00000	5 220	9 47	4 27E+01	73 90
847 000	-5 220	14 1667	850 00000	5 220	9 47	4 27E+01	73 90
848 000	-5 220	14 1833	851 00000	5 220	9 47	4 27E+01	73 90
849 000	-5 220	14 2000	852 00000	5 220	9 47	4 27E+01	73 90
850 000	-5 220	14 2167	853 00000	5 220	9 47	4 27E+01	73 90
851 000	-5 220	14 2333	854 00000	5 220	9 47	4 27E+01	73 90
852 000	-5 220	14 2500	855 00000	5 220	9 47	4 27E+01	73 90
853 000	-5 220	14 2667	856 00000	5 220	9 47	4 27E+01	73 90
854 000	-5 220	14 2833	857 00000	5 220	9 47	4 27E+01	73 90
855 000	-5 220	14 3000	858 00000	5 220	9 47	4 27E+01	73 90
856 000	-5 220	14 3167	859 00000	5 220	9 47	4 27E+01	73 90
857 000	-5 220	14 3333	860 00000	5 220	9 47	4 27E+01	73 90
858 000	-5 220	14 3500	861 00000	5 220	9 47	4 27E+01	73 90
859 000	-5 220	14 3667	862 00000	5 220	9 47	4 27E+01	73 90
860 000	-5 220	14 3833	863 00000	5 220	9 47	4 27E+01	73 90
861 000	-5 220	14 4000	864 00000	5 220	9 47	4 27E+01	73 90
862 000	-5 220	14 4167	865 00000	5 220	9 47	4 27E+01	73 90
863 000	-5 220	14 4333	866 00000	5 220	9 47	4 27E+01	73 90
864 000	-5 220	14 4500	867 00000	5 220	9 47	4 27E+01	73 90
865 000	-5 220	14 4667	868 00000	5 220	9 47	4 27E+01	73 90
866 000	-5 220	14 4833	869 00000	5 220	9 47	4 27E+01	73 90
867 000	-5 220	14 5000	870 00000	5 220	9 47	4 27E+01	73 90
868 000	-5 220	14 5167	871 00000	5 220	9 47	4 27E+01	73 90
869 000	-5 220	14 5333	872 00000	5 220	9 47	4 27E+01	73 90
870 000	-5 220	14 5500	873 00000	5 220	9 47	4 27E+01	73 90
871 000	-5 220	14 5667	874 00000	5 220	9 47	4 27E+01	73 90
872 000	-5 220	14 5833	875 00000	5 220	9 47	4 27E+01	73 90
873 000	-5 220	14 6000	876 00000	5 220	9 47	4 27E+01	73 90
874 000	-5 220	14 6167	877 00000	5 220	9 47	4 27E+01	73 90
875 000	-5 220	14 6333	878 00000	5 220	9 47	4 27E+01	73 90
876 000	-5 220	14 6500	879 00000	5 220	9 47	4 27E+01	73 90
877 000	-5 217	14 6667	880 00000	5 217	9 47	4 27E+01	73 87
878 000	-5 217	14 6833	881 00000	5 217	9 47	4 27E+01	73 87
879 000	-5 217	14 7000	882 00000	5 217	9 47	4 27E+01	73 87
880 000	-5 217	14 7167	883 00000	5 217	9 47	4 27E+01	73 87
881 000	-5 217	14 7333	884 00000	5 217	9 47	4 27E+01	73 87
882 000	-5 217	14 7500	885 00000	5 217	9 47	4 27E+01	73 87
883 000	-5 217	14 7667	886 00000	5 217	9 47	4 27E+01	73 87
884 000	-5 217	14 7833	887 00000	5 217	9 47	4 27E+01	73 87
885 000	-5 217	14 8000	888 00000	5 217	9 47	4 27E+01	73 87
886 000	-5 217	14 8167	889 00000	5 217	9 47	4 27E+01	73 87
887 000	-5 214	14 8333	890 00000	5 214	9 48	4 27E+01	73 85
888 000	-5 214	14 8500	891 00000	5 214	9 48	4 27E+01	73 85
889 000	-5 217	14 8667	892 00000	5 217	9 47	4 27E+01	73 87
890 000	-5 214	14 8833	893 00000	5 214	9 48	4 27E+01	73 85
891 000	-5 214	14 9000	894 00000	5 214	9 48	4 27E+01	73 85
892 000	-5 214	14 9167	895 00000	5 214	9 48	4 27E+01	73 85
893 000	-5 214	14 9333	896 00000	5 214	9 48	4 27E+01	73 85
894 000	-5 214	14 9500	897 00000	5 214	9 48	4 27E+01	73 85
895 000	-5 214	14 9667	898 00000	5 214	9 48	4 27E+01	73 85
896 000	-5 214	14 9833	899 00000	5 214	9 48	4 27E+01	73 85
897 000	-5 214	15 0000	900 00000	5 214	9 48	4 27E+01	73 85
898 000	-5 214	15 0167	901 00000	5 214	9 48	4 27E+01	73 85
899 000	-5 214	15 0333	902 00000	5 214	9 48	4 27E+01	73 85
900 000	-5 214	15 0500	903 00000	5 214	9 48	4 27E+01	73 85
901 000	-5 214	15 0667	904 00000	5 214	9 48	4 27E+01	73 85

Input data				Cumulative	Volume of
Transducer	Elapsed Time	Δ head (feet)	Elapsed Time (hours)	Inflow (liters)	water in well (liters)
902.000	-5 214	15 0833	905 00000	5 214	9 48
903 000	-5 214	15 1000	906.00000	5 214	9 48
904 000	-5 214	15 1167	907 00000	5 214	9 48
905 000	-5 214	15 1333	908 00000	5 214	9 48
906.000	-5 214	15 1500	909 00000	5 214	9 48
907 000	-5 214	15 1667	910 00000	5 214	9 48
908 000	-5 214	15 1833	911 00000	5 214	9 48
909 000	-5 210	15 2000	912 00000	5 210	9 48
910 000	-5 214	15 2167	913 00000	5 214	9 48
911 000	-5 214	15 2333	914 00000	5 214	9 48
912.000	-5 214	15 2500	915 00000	5 214	9 48
913 000	-5 214	15 2667	916.00000	5 214	9 48
914 000	-5 214	15 2833	917 00000	5 214	9 48
915 000	-5 214	15 3000	918 00000	5 214	9 48
916 000	-5 214	15 3167	919 00000	5 214	9 48
917 000	-5 214	15 3333	920 00000	5 214	9 48
918 000	-5 214	15 3500	921 00000	5 214	9 48
919 000	-5 214	15 3667	922 00000	5 214	9 48
920 000	-5 214	15 3833	923 00000	5 214	9 48
921 000	-5 214	15 4000	924 00000	5 214	9 48
922.000	-5 214	15 4167	925 00000	5 214	9 48
923 000	-5 214	15 4333	926 00000	5 214	9 48
924 000	-5 214	15 4500	927 00000	5 214	9 48
925 000	-5 214	15 4667	928 00000	5 214	9 48
926 000	-5 214	15 4833	929 00000	5 214	9 48
927 000	-5 214	15 5000	930 00000	5 214	9 48
928 000	-5 214	15 5167	931 00000	5 214	9 48
929 000	-5 214	15 5333	932 00000	5 214	9 48
930 000	-5 214	15 5500	933 00000	5 214	9 48
931 000	-5 214	15 5667	934 00000	5 214	9 48
932.000	-5 214	15 5833	935 00000	5 214	9 48
933 000	-5 214	15 6000	936 00000	5 214	9 48
934 000	-5 214	15 6167	937 00000	5 214	9 48
935 000	-5 214	15 6333	938 00000	5 214	9 48
936 000	-5 214	15 6500	939 00000	5 214	9 48
937 000	-5 214	15 6667	940 00000	5 214	9 48
938 000	-5 214	15 6833	941 00000	5 214	9 48
939 000	-5 214	15 7000	942 00000	5 214	9 48
940 000	-5 214	15 7167	943 00000	5 214	9 48
941 000	-5 214	15 7333	944 00000	5 214	9 48
942 000	-5 210	15 7500	945 00000	5 210	9 48
943 000	-5 210	15 7667	946 00000	5 210	9 48
944 000	-5 210	15 7833	947 00000	5 210	9 48
945 000	-5 210	15 8000	948 00000	5 210	9 48
946 000	-5 210	15 8167	949 00000	5 210	9 48
947 000	-5 210	15 8333	950 00000	5 210	9 48
948 000	-5 210	15 8500	951 00000	5 210	9 48
949 000	-5 210	15 8667	952 00000	5 210	9 48
950 000	-5 210	15 8833	953 00000	5 210	9 48
951 000	-5 210	15 9000	954 00000	5 210	9 48
952.000	-5 210	15 9167	955 00000	5 210	9 48
953 000	-5 210	15 9333	956 00000	5 210	9 48
954 000	-5 210	15 9500	957 00000	5 210	9 48
955 000	-5 210	15 9667	958 00000	5 210	9 48
956 000	-5 210	15 9833	959 00000	5 210	9 48
957 000	-5 210	16 0000	960 00000	5 210	9 48
958 000	-5 210	16 0167	961 00000	5 210	9 48
959 000	-5 210	16 0333	962 00000	5 210	9 48
960 000	-5 207	16 0500	963 00000	5 207	9 48
961 000	-5 207	16 0667	964 00000	5 207	9 48
962 000	-5 207	16 0833	965 00000	5 207	9 48
963 000	-5 207	16 1000	966 00000	5 207	9 48
964 000	-5 207	16 1167	967 00000	5 207	9 48
965 000	-5 207	16 1333	968 00000	5 207	9 48
966 000	-5 207	16 1500	969 00000	5 207	9 48
967 000	-5 210	16 1667	970 00000	5 210	9 48
968 000	-5 207	16 1833	971 00000	5 207	9 48
969 000	-5 210	16 2000	972 00000	5 210	9 48
970 000	-5 210	16 2167	973 00000	5 210	9 48
971 000	-5 210	16 2333	974 00000	5 210	9 48
972.000	-5 210	16 2500	975 00000	5 210	9 48
973 000	-5 210	16 2667	976 00000	5 210	9 48

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
974 000	-5 210	16.2833	977 00000	5 210	9 48	4 27E+01	73 82	
975 000	-5 210	16 3000	978 00000	5 210	9 48	4 27E+01	73 82	
976 000	-5 210	16 3167	979 00000	5 210	9 48	4 27E+01	73 82	
977 000	-5 210	16.3333	980 00000	5 210	9 48	4 27E+01	73 82	
978 000	-5 210	16.3500	981 00000	5 210	9 48	4 27E+01	73 82	
979 000	-5 210	16.3667	982.00000	5 210	9 48	4 27E+01	73 82	
980 000	-5 210	16.3833	983 00000	5 210	9 48	4 27E+01	73 82	
981 000	-5 210	16.4000	984 00000	5 210	9 48	4 27E+01	73 82	
982.000	-5 210	16.4167	985 00000	5 210	9 48	4 27E+01	73 82	
983 000	-5 210	16.4333	986.00000	5 210	9 48	4 27E+01	73 82	
984 000	-5 210	16 4500	987 00000	5 210	9 48	4 27E+01	73 82	
985 000	-5 210	16 4667	988 00000	5 210	9 48	4 27E+01	73 82	
986.000	-5 210	16 4833	989 00000	5 210	9 48	4 27E+01	73 82	
987 000	-5 210	16.5000	990 00000	5 210	9 48	4 27E+01	73 82	
988 000	-5 210	16.5167	991 00000	5 210	9 48	4 27E+01	73 82	
989 000	-5 210	16 5333	992.00000	5 210	9 48	4 27E+01	73 82	
990 000	-5 210	16.5500	993 00000	5 210	9 48	4 27E+01	73 82	
991 000	-5 210	16.5667	994 00000	5 210	9 48	4 27E+01	73 82	
992.000	-5 210	16 5833	995 00000	5 210	9 48	4 27E+01	73 82	
993 000	-5 210	16 6000	996 00000	5 210	9 48	4 27E+01	73 82	
994 000	-5 210	16.6167	997 00000	5 210	9 48	4 27E+01	73 82	
995 000	-5 210	16.6333	998 00000	5 210	9 48	4 27E+01	73 82	
996 000	-5 210	16 6500	999 00000	5 210	9 48	4 27E+01	73 82	
997 000	-5 210	16 6667	1000 00000	5 210	9 48	4 27E+01	73 82	
998 000	-5 210	16.6833	1001 00000	5 210	9 48	4 27E+01	73 82	
999 000	-5 210	16 7000	1002 00000	5 210	9 48	4 27E+01	73 82	
1000 000	-5 210	16.7167	1003 00000	5 210	9 48	4 27E+01	73 82	
1001 000	-5 210	16.7333	1004 00000	5 210	9 48	4 27E+01	73 82	
1002 000	-5 210	16 7500	1005 00000	5 210	9 48	4 27E+01	73 82	
1003 000	-5 210	16 7667	1006 00000	5 210	9 48	4 27E+01	73 82	
1004 000	-5 210	16.7833	1007 00000	5 210	9 48	4 27E+01	73 82	
1005 000	-5 210	16.8000	1008 00000	5 210	9 48	4 27E+01	73 82	
1006 000	-5 210	16 8167	1009 00000	5 210	9 48	4 27E+01	73 82	
1007 000	-5 210	16 8333	1010 00000	5 210	9 48	4 27E+01	73 82	
1008 000	-5 210	16.8500	1011 00000	5 210	9 48	4 27E+01	73 82	
1009 000	-5 210	16.8667	1012 00000	5 210	9 48	4 27E+01	73 82	
1010 000	-5 210	16.8833	1013 00000	5 210	9 48	4 27E+01	73 82	
1011 000	-5 210	16.9000	1014 00000	5 210	9 48	4 27E+01	73 82	
1012.000	-5 210	16 9167	1015 00000	5 210	9 48	4 27E+01	73 82	
1013 000	-5 210	16.9333	1016 00000	5 210	9 48	4 27E+01	73 82	
1014 000	-5 207	16 9500	1017 00000	5 207	9 48	4 26E+01	73 79	
1015 000	-5 210	16 9667	1018 00000	5 210	9 48	4 27E+01	73 82	
1016 000	-5 207	16 9833	1019 00000	5 207	9 48	4 26E+01	73 79	
1017 000	-5 207	17 0000	1020 00000	5 207	9 48	4 26E+01	73 79	
1018 000	-5 207	17 0167	1021 00000	5 207	9 48	4 26E+01	73 79	
1019 000	-5 207	17 0333	1022 00000	5 207	9 48	4 26E+01	73 79	
1020 000	-5 207	17 0500	1023 00000	5 207	9 48	4 26E+01	73 79	
1021 000	-5 207	17 0667	1024 00000	5 207	9 48	4 26E+01	73 79	
1022.000	-5 207	17 0833	1025 00000	5 207	9 48	4 26E+01	73 79	
1023 000	-5 207	17 1000	1026 00000	5 207	9 48	4 26E+01	73 79	
1024 000	-5 207	17 1167	1027 00000	5 207	9 48	4 26E+01	73 79	
1025 000	-5 207	17 1333	1028 00000	5 207	9 48	4 26E+01	73 79	
1026 000	-5 207	17 1500	1029 00000	5 207	9 48	4 26E+01	73 79	
1027 000	-5 207	17 1667	1030 00000	5 207	9 48	4 26E+01	73 79	
1028 000	-5 207	17 1833	1031 00000	5 207	9 48	4 26E+01	73 79	
1029 000	-5 207	17 2000	1032 00000	5 207	9 48	4 26E+01	73 79	
1030 000	-5 207	17 2167	1033 00000	5 207	9 48	4 26E+01	73 79	
1031 000	-5 204	17 2333	1034 00000	5 204	9 49	4 26E+01	73 77	
1032 000	-5 204	17 2500	1035 00000	5 204	9 49	4 26E+01	73 77	
1033 000	-5 201	17 2667	1036 00000	5 201	9 49	4 26E+01	73 74	
1034 000	-5 204	17 2833	1037 00000	5 204	9 49	4 26E+01	73 77	
1035 000	-5 198	17 3000	1038 00000	5 198	9 49	4 26E+01	73 72	
1036 000	-5 198	17 3167	1039 00000	5 198	9 49	4 26E+01	73 72	
1037 000	-5 198	17 3333	1040 00000	5 198	9 49	4 26E+01	73 72	
1038 000	-5 198	17 3500	1041 00000	5 198	9 49	4 26E+01	73 72	
1039 000	-5 195	17 3667	1042 00000	5 195	9 49	4 25E+01	73 69	
1040 000	-5 198	17 3833	1043 00000	5 198	9 49	4 26E+01	73 72	
1041 000	-5 195	17 4000	1044 00000	5 195	9 49	4 25E+01	73 69	
1042.000	-5 198	17 4167	1045 00000	5 198	9 49	4 26E+01	73 72	
1043 000	-5 198	17 4333	1046 00000	5 198	9 49	4 26E+01	73 72	
1044 000	-5 198	17 4500	1047 00000	5 198	9 49	4 26E+01	73 72	
1045 000	-5 195	17 4667	1048 00000	5 195	9 49	4 25E+01	73 69	

Input data		Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
1046 000	-5 191	17 4833	17 4833	1049 00000	5 191	9 50	4 25E+01	73 66	
1047 000	-5 191	17 5000	17 5000	1050 00000	5 191	9 50	4 25E+01	73 66	
1048 000	-5 195	17 5167	17 5167	1051 00000	5 195	9 49	4 25E+01	73 66	
1049 000	-5 191	17 5333	17 5333	1052.00000	5 191	9 50	4 25E+01	73 66	
1050 000	-5 188	17 5500	17 5500	1053 00000	5 188	9 50	4 25E+01	73 64	
1051 000	-5 188	17 5667	17 5667	1054 00000	5 188	9 50	4 25E+01	73 64	
1052.000	-5 191	17 5833	17 5833	1055 00000	5 191	9 50	4 25E+01	73 66	
1053 000	-5 188	17 6000	17 6000	1056.00000	5 188	9 50	4 25E+01	73 64	
1054 000	-5 188	17 6167	17 6167	1057 00000	5 188	9 50	4 25E+01	73 64	
1055 000	-5 188	17 6333	17 6333	1058 00000	5 188	9 50	4 25E+01	73 64	
1056.000	-5 188	17 6500	17 6500	1059 00000	5 188	9 50	4 25E+01	73 64	
1057 000	-5 188	17 6667	17 6667	1060 00000	5 188	9 50	4 25E+01	73 64	
1058 000	-5 188	17 6833	17 6833	1061 00000	5 188	9 50	4 25E+01	73 64	
1059 000	-5 185	17 7000	17 7000	1062 00000	5 185	9 50	4 24E+01	73 61	
1060 000	-5 188	17 7167	17 7167	1063 00000	5 188	9 50	4 25E+01	73 64	
1061 000	-5 188	17 7333	17 7333	1064 00000	5 188	9 50	4 25E+01	73 64	
1062.000	-5 188	17 7500	17 7500	1065 00000	5 188	9 50	4 25E+01	73 64	
1063 000	-5 191	17 7667	17 7667	1066 00000	5 191	9 50	4 25E+01	73 66	
1064 000	-5 191	17 7833	17 7833	1067 00000	5 191	9 50	4 25E+01	73 66	
1065 000	-5 188	17 8000	17 8000	1068 00000	5 188	9 50	4 25E+01	73 64	
1066 000	-5 188	17 8167	17 8167	1069 00000	5 188	9 50	4 25E+01	73 64	
1067 000	-5 182	17 8333	17 8333	1070 00000	5 182	9 51	4 24E+01	73 59	
1068 000	-5 179	17 8500	17 8500	1071 00000	5 179	9 51	4 24E+01	73 56	
1069 000	-5 179	17 8667	17 8667	1072 00000	5 179	9 51	4 24E+01	73 56	
1070 000	-5 176	17 8833	17 8833	1073 00000	5 176	9 51	4 24E+01	73 54	
1071 000	-5 176	17 9000	17 9000	1074 00000	5 176	9 51	4 24E+01	73 54	
1072.000	-5 172	17 9167	17 9167	1075 00000	5 172	9 52	4 23E+01	73 51	
1073 000	-5 169	17 9333	17 9333	1076 00000	5 169	9 52	4 23E+01	73 48	
1074 000	-5 166	17 9500	17 9500	1077 00000	5 166	9 52	4 23E+01	73 46	
1075 000	-5 163	17 9667	17 9667	1078 00000	5 163	9 53	4 23E+01	73 43	
1076 000	-5 169	17 9833	17 9833	1079 00000	5 169	9 52	4 23E+01	73 48	
1077 000	-5 172	18 0000	18 0000	1080 00000	5 172	9 52	4 23E+01	73 51	
1078 000	-5 172	18 0167	18 0167	1081 00000	5 172	9 52	4 23E+01	73 51	
1079 000	-5 169	18 0333	18 0333	1082 00000	5 169	9 52	4 23E+01	73 48	
1080 000	-5 172	18 0500	18 0500	1083 00000	5 172	9 52	4 23E+01	73 51	
1081 000	-5 169	18 0667	18 0667	1084 00000	5 169	9 52	4 23E+01	73 48	
1082.000	-5 169	18 0833	18 0833	1085 00000	5 169	9 52	4 23E+01	73 48	
1083 000	-5 169	18 1000	18 1000	1086 00000	5 169	9 52	4 23E+01	73 48	
1084 000	-5 166	18 1167	18 1167	1087 00000	5 166	9 52	4 23E+01	73 46	
1085 000	-5 166	18 1333	18 1333	1088 00000	5 166	9 52	4 23E+01	73 46	
1086 000	-5 169	18 1500	18 1500	1089 00000	5 169	9 52	4 23E+01	73 48	
1087 000	-5 169	18 1667	18 1667	1090 00000	5 169	9 52	4 23E+01	73 48	
1088 000	-5 169	18 1833	18 1833	1091 00000	5 169	9 52	4 23E+01	73 48	
1089 000	-5 169	18 2000	18 2000	1092.00000	5 169	9 52	4 23E+01	73 48	
1090 000	-5 169	18 2167	18 2167	1093 00000	5 169	9 52	4 23E+01	73 48	
1091 000	-5 166	18 2333	18 2333	1094 00000	5 166	9 52	4 23E+01	73 46	
1092.000	-5 166	18 2500	18 2500	1095 00000	5 166	9 52	4 23E+01	73 46	
1093 000	-5 166	18 2667	18 2667	1096.00000	5 166	9 52	4 23E+01	73 46	
1094 000	-5 163	18 2833	18 2833	1097 00000	5 163	9 53	4 23E+01	73 43	
1095 000	-5 160	18 3000	18 3000	1098 00000	5 160	9 53	4 22E+01	73 41	
1096 000	-5 163	18 3167	18 3167	1099 00000	5 163	9 53	4 23E+01	73 43	
1097 000	-5 156	18 3333	18 3333	1100 00000	5 156	9 53	4 22E+01	73 38	
1098 000	-5 163	18 3500	18 3500	1101 00000	5 163	9 53	4 23E+01	73 43	
1099 000	-5 163	18 3667	18 3667	1102 00000	5 163	9 53	4 23E+01	73 43	
1100 000	-5 169	18 3833	18 3833	1103 00000	5 169	9 52	4 23E+01	73 48	
1101 000	-5 172	18 4000	18 4000	1104 00000	5 172	9 52	4 23E+01	73 51	
1102.000	-5 176	18 4167	18 4167	1105 00000	5 176	9 51	4 24E+01	73 54	
1103 000	-5 179	18 4333	18 4333	1106 00000	5 179	9 51	4 24E+01	73 56	
1104 000	-5 176	18 4500	18 4500	1107 00000	5 176	9 51	4 24E+01	73 54	
1105 000	-5 172	18 4667	18 4667	1108 00000	5 172	9 52	4 23E+01	73 51	
1106 000	-5 169	18 4833	18 4833	1109 00000	5 169	9 52	4 23E+01	73 48	
1107 000	-5 169	18 5000	18 5000	1110 00000	5 169	9 52	4 23E+01	73 48	
1108 000	-5 166	18 5167	18 5167	1111 00000	5 166	9 52	4 23E+01	73 46	
1109 000	-5 166	18 5333	18 5333	1112.00000	5 166	9 52	4 23E+01	73 46	
1110 000	-5 163	18 5500	18 5500	1113 00000	5 163	9 53	4 23E+01	73 43	
1111 000	-5 163	18 5667	18 5667	1114 00000	5 163	9 53	4 23E+01	73 43	
1112.000	-5 163	18 5833	18 5833	1115 00000	5 163	9 53	4 23E+01	73 43	
1113 000	-5 163	18 6000	18 6000	1116 00000	5 163	9 53	4 23E+01	73 43	
1114 000	-5 160	18 6167	18 6167	1117 00000	5 160	9 53	4 22E+01	73 41	
1115 000	-5 160	18 6333	18 6333	1118 00000	5 160	9 53	4 22E+01	73 41	
1116 000	-5 160	18 6500	18 6500	1119 00000	5 160	9 53	4 22E+01	73 41	
1117 000	-5 156	18 6667	18 6667	1120 00000	5 156	9 53	4 22E+01	73 38	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
1118 000	-5 156	18 6833		1121 00000	5 156	9 53	4 22E+01	73 38
1119 000	-5 156	18 7000		1122 00000	5 156	9 53	4 22E+01	73 38
1120 000	-5 153	18 7167		1123 00000	5 153	9 54	4 22E+01	73 35
1121 000	-5 156	18 7333		1124 00000	5 156	9 53	4 22E+01	73 38
1122 000	-5 153	18 7500		1125 00000	5 153	9 54	4 22E+01	73 35
1123 000	-5 153	18 7667		1126 00000	5 153	9 54	4 22E+01	73 35
1124 000	-5 153	18 7833		1127 00000	5 153	9 54	4 22E+01	73 35
1125 000	-5 153	18 8000		1128 00000	5 153	9 54	4 22E+01	73 35
1126 000	-5 153	18 8167		1129 00000	5 153	9 54	4 22E+01	73 35
1127 000	-5 156	18 8333		1130 00000	5 156	9 53	4 22E+01	73 38
1128 000	-5 153	18 8500		1131 00000	5 153	9 54	4 22E+01	73 35
1129 000	-5 153	18 8667		1132 00000	5 153	9 54	4 22E+01	73 35
1130 000	-5 153	18 8833		1133 00000	5 153	9 54	4 22E+01	73 35
1131 000	-5 156	18 9000		1134 00000	5 156	9 53	4 22E+01	73 38
1132 000	-5 153	18 9167		1135 00000	5 153	9 54	4 22E+01	73 35
1133 000	-5 153	18 9333		1136 00000	5 153	9 54	4 22E+01	73 35
1134 000	-5 153	18 9500		1137 00000	5 153	9 54	4 22E+01	73 35
1135 000	-5 153	18 9667		1138 00000	5 153	9 54	4 22E+01	73 35
1136 000	-5 153	18 9833		1139 00000	5 153	9 54	4 22E+01	73 35
1137 000	-5 153	19 0000		1140 00000	5 153	9 54	4 22E+01	73 35
1138 000	-5 153	19 0167		1141 00000	5 153	9 54	4 22E+01	73 35
1139 000	-5 153	19 0333		1142 00000	5 153	9 54	4 22E+01	73 35
1140 000	-5 153	19 0500		1143 00000	5 153	9 54	4 22E+01	73 35
1141 000	-5 150	19 0667		1144 00000	5 150	9 54	4 22E+01	73 33
1142 000	-5 150	19 0833		1145 00000	5 150	9 54	4 22E+01	73 33
1143 000	-5 150	19 1000		1146 00000	5 150	9 54	4 22E+01	73 33
1144 000	-5 150	19 1167		1147 00000	5 150	9 54	4 22E+01	73 33
1145 000	-5 150	19 1333		1148 00000	5 150	9 54	4 22E+01	73 33
1146 000	-5 150	19 1500		1149 00000	5 150	9 54	4 22E+01	73 33
1147 000	-5 147	19 1667		1150 00000	5 147	9 54	4 21E+01	73 30
1148 000	-5 147	19 1833		1151 00000	5 147	9 54	4 21E+01	73 30
1149 000	-5 147	19 2000		1152 00000	5 147	9 54	4 21E+01	73 30
1150 000	-5 147	19 2167		1153 00000	5 147	9 54	4 21E+01	73 30
1151 000	-5 147	19 2333		1154 00000	5 147	9 54	4 21E+01	73 30
1152 000	-5 147	19 2500		1155 00000	5 147	9 54	4 21E+01	73 30
1153 000	-5 147	19 2667		1156 00000	5 147	9 54	4 21E+01	73 30
1154 000	-5 147	19 2833		1157 00000	5 147	9 54	4 21E+01	73 30
1155 000	-5 147	19 3000		1158 00000	5 147	9 54	4 21E+01	73 30
1156 000	-5 150	19 3167		1159 00000	5 150	9 54	4 22E+01	73 33
1157 000	-5 150	19 3333		1160 00000	5 150	9 54	4 22E+01	73 33
1158 000	-5 150	19 3500		1161 00000	5 150	9 54	4 22E+01	73 33
1159 000	-5 150	19 3667		1162 00000	5 150	9 54	4 22E+01	73 33
1160 000	-5 147	19 3833		1163 00000	5 147	9 54	4 21E+01	73 30
1161 000	-5 147	19 4000		1164 00000	5 147	9 54	4 21E+01	73 30
1162 000	-5 150	19 4167		1165 00000	5 150	9 54	4 22E+01	73 33
1163 000	-5 147	19 4333		1166 00000	5 147	9 54	4 21E+01	73 30
1164 000	-5 147	19 4500		1167 00000	5 147	9 54	4 21E+01	73 30
1165 000	-5 147	19 4667		1168 00000	5 147	9 54	4 21E+01	73 30
1166 000	-5 144	19 4833		1169 00000	5 144	9 55	4 21E+01	73 28
1167 000	-5 144	19 5000		1170 00000	5 144	9 55	4 21E+01	73 28
1168 000	-5 147	19 5167		1171 00000	5 147	9 54	4 21E+01	73 30
1169 000	-5 147	19 5333		1172 00000	5 147	9 54	4 21E+01	73 30
1170 000	-5 147	19 5500		1173 00000	5 147	9 54	4 21E+01	73 30
1171 000	-5 147	19 5667		1174 00000	5 147	9 54	4 21E+01	73 30
1172 000	-5 150	19 5833		1175 00000	5 150	9 54	4 22E+01	73 33
1173 000	-5 147	19 6000		1176 00000	5 147	9 54	4 21E+01	73 30
1174 000	-5 150	19 6167		1177 00000	5 150	9 54	4 22E+01	73 33
1175 000	-5 150	19 6333		1178 00000	5 150	9 54	4 22E+01	73 33
1176 000	-5 150	19 6500		1179 00000	5 150	9 54	4 22E+01	73 33
1177 000	-5 147	19 6667		1180 00000	5 147	9 54	4 21E+01	73 30
1178 000	-5 150	19 6833		1181 00000	5 150	9 54	4 22E+01	73 33
1179 000	-5 150	19 7000		1182 00000	5 150	9 54	4 22E+01	73 33
1180 000	-5 150	19 7167		1183 00000	5 150	9 54	4 22E+01	73 33
1181 000	-5 150	19 7333		1184 00000	5 150	9 54	4 22E+01	73 33
1182 000	-5 153	19 7500		1185 00000	5 153	9 54	4 22E+01	73 35
1183 000	-5 153	19 7667		1186 00000	5 153	9 54	4 22E+01	73 35
1184 000	-5 150	19 7833		1187 00000	5 150	9 54	4 22E+01	73 33
1185 000	-5 150	19 8000		1188 00000	5 150	9 54	4 22E+01	73 33
1186 000	-5 150	19 8167		1189 00000	5 150	9 54	4 22E+01	73 33
1187 000	-5 147	19 8333		1190 00000	5 147	9 54	4 21E+01	73 30
1188 000	-5 150	19 8500		1191 00000	5 150	9 54	4 22E+01	73 33
1189 000	-5 150	19 8667		1192 00000	5 150	9 54	4 22E+01	73 33

Input data				Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)					
1190 000	-5 150	19 8833	1193 00000	5 150	9 54	4 22E+01	73 33	
1191 000	-5 150	19 9000	1194 00000	5 150	9 54	4 22E+01	73 33	
1192 000	-5 147	19 9167	1195 00000	5 147	9 54	4 21E+01	73 30	
1193 000	-5 150	19 9333	1196 00000	5 150	9 54	4 22E+01	73 33	
1194 000	-5 150	19 9500	1197 00000	5 150	9 54	4 22E+01	73 33	
1195 000	-5 153	19 9667	1198 00000	5 153	9 54	4 22E+01	73 35	
1196 000	-5 156	19 9833	1199 00000	5 156	9 53	4 22E+01	73 38	
1197 000	-5 156	20 0000	1200 00000	5 156	9 53	4 22E+01	73 38	
1198 000	-5 156	20 0167	1201 00000	5 156	9 53	4 22E+01	73 38	
1199 000	-5 156	20 0333	1202 00000	5 156	9 53	4 22E+01	73 38	
1200 000	-5 163	20 0500	1203 00000	5 163	9 53	4 23E+01	73 43	
1201 000	-5 160	20 0667	1204 00000	5 160	9 53	4 22E+01	73 41	
1202 000	-5 160	20 0833	1205 00000	5 160	9 53	4 22E+01	73 41	
1203 000	-5 156	20 1000	1206 00000	5 156	9 53	4 22E+01	73 38	
1204 000	-5 156	20 1167	1207 00000	5 156	9 53	4 22E+01	73 38	
1205 000	-5 156	20 1333	1208 00000	5 156	9 53	4 22E+01	73 38	
1206 000	-5 160	20 1500	1209 00000	5 160	9 53	4 22E+01	73 41	
1207 000	-5 163	20 1667	1210 00000	5 163	9 53	4 23E+01	73 43	
1208 000	-5 160	20 1833	1211 00000	5 160	9 53	4 22E+01	73 41	
1209 000	-5 160	20 2000	1212 00000	5 160	9 53	4 22E+01	73 41	
1210 000	-5 163	20 2167	1213 00000	5 163	9 53	4 23E+01	73 43	
1211 000	-5 163	20 2333	1214 00000	5 163	9 53	4 23E+01	73 43	
1212 000	-5 163	20 2500	1215 00000	5 163	9 53	4 23E+01	73 43	
1213 000	-5 163	20 2667	1216 00000	5 163	9 53	4 23E+01	73 43	
1214 000	-5 163	20 2833	1217 00000	5 163	9 53	4 23E+01	73 43	
1215 000	-5 160	20 3000	1218 00000	5 160	9 53	4 22E+01	73 41	
1216 000	-5 163	20 3167	1219 00000	5 163	9 53	4 23E+01	73 43	
1217 000	-5 163	20 3333	1220 00000	5 163	9 53	4 23E+01	73 43	
1218 000	-5 163	20 3500	1221 00000	5 163	9 53	4 23E+01	73 43	
1219 000	-5 163	20 3667	1222 00000	5 163	9 53	4 23E+01	73 43	
1220 000	-5 163	20 3833	1223 00000	5 163	9 53	4 23E+01	73 43	
1221 000	-5 166	20 4000	1224 00000	5 166	9 52	4 23E+01	73 46	
1222 000	-5 166	20 4167	1225 00000	5 166	9 52	4 23E+01	73 46	
1223 000	-5 163	20 4333	1226 00000	5 163	9 53	4 23E+01	73 43	
1224 000	-5 160	20 4500	1227 00000	5 160	9 53	4 22E+01	73 41	
1225 000	-5 163	20 4667	1228 00000	5 163	9 53	4 23E+01	73 43	
1226 000	-5 166	20 4833	1229 00000	5 166	9 52	4 23E+01	73 46	
1227 000	-5 166	20 5000	1230 00000	5 166	9 52	4 23E+01	73 46	
1228 000	-5 169	20 5167	1231 00000	5 169	9 52	4 23E+01	73 48	
1229 000	-5 172	20 5333	1232 00000	5 172	9 52	4 23E+01	73 51	
1230 000	-5 172	20 5500	1233 00000	5 172	9 52	4 23E+01	73 51	
1231 000	-5 172	20 5667	1234 00000	5 172	9 52	4 23E+01	73 51	
1232 000	-5 172	20 5833	1235 00000	5 172	9 52	4 23E+01	73 51	
1233 000	-5 176	20 6000	1236 00000	5 176	9 51	4 24E+01	73 54	
1234 000	-5 172	20 6167	1237 00000	5 172	9 52	4 23E+01	73 51	
1235 000	-5 172	20 6333	1238 00000	5 172	9 52	4 23E+01	73 51	
1236 000	-5 176	20 6500	1239 00000	5 176	9 51	4 24E+01	73 54	
1237 000	-5 176	20 6667	1240 00000	5 176	9 51	4 24E+01	73 54	
1238 000	-5 172	20 6833	1241 00000	5 172	9 52	4 23E+01	73 51	
1239 000	-5 172	20 7000	1242 00000	5 172	9 52	4 23E+01	73 51	
1240 000	-5 172	20 7167	1243 00000	5 172	9 52	4 23E+01	73 51	
1241 000	-5 169	20 7333	1244 00000	5 169	9 52	4 23E+01	73 48	
1242 000	-5 172	20 7500	1245 00000	5 172	9 52	4 23E+01	73 51	
1243 000	-5 172	20 7667	1246 00000	5 172	9 52	4 23E+01	73 51	
1244 000	-5 172	20 7833	1247 00000	5 172	9 52	4 23E+01	73 51	
1245 000	-5 176	20 8000	1248 00000	5 176	9 51	4 24E+01	73 54	
1246 000	-5 176	20 8167	1249 00000	5 176	9 51	4 24E+01	73 54	
1247 000	-5 176	20 8333	1250 00000	5 176	9 51	4 24E+01	73 54	
1248 000	-5 176	20 8500	1251 00000	5 176	9 51	4 24E+01	73 54	
1249 000	-5 172	20 8667	1252 00000	5 172	9 52	4 23E+01	73 51	
1250 000	-5 172	20 8833	1253 00000	5 172	9 52	4 23E+01	73 51	
1251 000	-5 172	20 9000	1254 00000	5 172	9 52	4 23E+01	73 51	
1252 000	-5 172	20 9167	1255 00000	5 172	9 52	4 23E+01	73 51	
1253 000	-5 176	20 9333	1256 00000	5 176	9 51	4 24E+01	73 54	
1254 000	-5 179	20 9500	1257 00000	5 179	9 51	4 24E+01	73 56	
1255 000	-5 179	20 9667	1258 00000	5 179	9 51	4 24E+01	73 56	
1256 000	-5 176	20 9833	1259 00000	5 176	9 51	4 24E+01	73 54	
1257 000	-5 176	21 0000	1260 00000	5 176	9 51	4 24E+01	73 54	
1258 000	-5 176	21 0167	1261 00000	5 176	9 51	4 24E+01	73 54	
1259 000	-5 176	21 0333	1262 00000	5 176	9 51	4 24E+01	73 54	
1260 000	-5 176	21 0500	1263 00000	5 176	9 51	4 24E+01	73 54	
1261 000	-5 179	21 0667	1264 00000	5 179	9 51	4 24E+01	73 56	

Input data				Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)					
1262.000	-5 182	21 0833	1263 0000	5 182	9 51	4 24E+01	73 59	
1263 000	-5 182	21 1000	1266 0000	5 182	9 51	4 24E+01	73 59	
1264 000	-5 182	21 1167	1267 0000	5 182	9 51	4 24E+01	73 59	
1265 000	-5 182	21 1333	1268 0000	5 182	9 51	4 24E+01	73 59	
1266.000	-5 185	21 1500	1269 0000	5 185	9 50	4 24E+01	73 61	
1267 000	-5 185	21 1667	1270 0000	5 185	9 50	4 24E+01	73 61	
1268 000	-5 182	21 1833	1271 0000	5 182	9 51	4 24E+01	73 59	
1269 000	-5 182	21 2000	1272 0000	5 182	9 51	4 24E+01	73 59	
1270 000	-5 182	21 2167	1273 0000	5 182	9 51	4 24E+01	73 59	
1271 000	-5 182	21 2333	1274 0000	5 182	9 51	4 24E+01	73 59	
1272 000	-5 182	21 2500	1275 0000	5 182	9 51	4 24E+01	73 59	
1273 000	-5 182	21 2667	1276 0000	5 182	9 51	4 24E+01	73 59	
1274 000	-5 182	21 2833	1277 0000	5 182	9 51	4 24E+01	73 59	
1275 000	-5 185	21 3000	1278 0000	5 185	9 50	4 24E+01	73 61	
1276 000	-5 188	21 3167	1279 0000	5 188	9 50	4 25E+01	73 64	
1277 000	-5 195	21 3333	1280 0000	5 195	9 49	4 25E+01	73 69	
1278 000	-5 195	21 3500	1281 0000	5 195	9 49	4 25E+01	73 69	
1279 000	-5 195	21 3667	1282 0000	5 195	9 49	4 25E+01	73 69	
1280 000	-5 195	21 3833	1283 0000	5 195	9 49	4 25E+01	73 69	
1281 000	-5 195	21 4000	1284 0000	5 195	9 49	4 25E+01	73 69	
1282 000	-5 195	21 4167	1285 0000	5 195	9 49	4 25E+01	73 69	
1283 000	-5 201	21 4333	1286 0000	5 201	9 49	4 26E+01	73 74	
1284 000	-5 207	21 4500	1287 0000	5 207	9 48	4 26E+01	73 79	
1285 000	-5 207	21 4667	1288 0000	5 207	9 48	4 26E+01	73 79	
1286 000	-5 207	21 4833	1289 0000	5 207	9 48	4 26E+01	73 79	
1287 000	-5 207	21 5000	1290 0000	5 207	9 48	4 26E+01	73 79	
1288 000	-5 201	21 5167	1291 0000	5 201	9 49	4 26E+01	73 74	
1289 000	-5 195	21 5333	1292 0000	5 195	9 49	4 25E+01	73 69	
1290 000	-5 191	21 5500	1293 0000	5 191	9 50	4 25E+01	73 66	
1291 000	-5 185	21 5667	1294 0000	5 185	9 50	4 24E+01	73 61	
1292 000	-5 188	21 5833	1295 0000	5 188	9 50	4 25E+01	73 64	
1293 000	-5 195	21 6000	1296 0000	5 195	9 49	4 25E+01	73 69	
1294 000	-5 204	21 6167	1297 0000	5 204	9 49	4 26E+01	73 77	
1295 000	-5 204	21 6333	1298 0000	5 204	9 49	4 26E+01	73 77	
1296 000	-5 204	21 6500	1299 0000	5 204	9 49	4 26E+01	73 77	
1297 000	-5 210	21 6667	1300 0000	5 210	9 48	4 27E+01	73 82	
1298 000	-5 217	21 6833	1301 0000	5 217	9 47	4 27E+01	73 87	
1299 000	-5 226	21 7000	1302 0000	5 226	9 46	4 28E+01	73 95	
1300 000	-5 230	21 7167	1303 0000	5 230	9 46	4 28E+01	73 98	
1301 000	-5 230	21 7333	1304 0000	5 230	9 46	4 28E+01	73 98	
1302 000	-5 230	21 7500	1305 0000	5 230	9 46	4 28E+01	73 98	
1303 000	-5 236	21 7667	1306 0000	5 236	9 45	4 29E+01	74 03	
1304 000	-5 233	21 7833	1307 0000	5 233	9 46	4 28E+01	74 01	
1305 000	-5 226	21 8000	1308 0000	5 226	9 46	4 28E+01	73 95	
1306 000	-5 223	21 8167	1309 0000	5 223	9 47	4 28E+01	73 92	
1307 000	-5 220	21 8333	1310 0000	5 220	9 47	4 27E+01	73 90	
1308 000	-5 214	21 8500	1311 0000	5 214	9 48	4 27E+01	73 85	
1309 000	-5 207	21 8667	1312 0000	5 207	9 48	4 26E+01	73 79	
1310 000	-5 214	21 8833	1313 0000	5 214	9 48	4 27E+01	73 85	
1311 000	-5 214	21 9000	1314 0000	5 214	9 48	4 27E+01	73 85	
1312 000	-5 217	21 9167	1315 0000	5 217	9 47	4 27E+01	73 87	
1313 000	-5 217	21 9333	1316 0000	5 217	9 47	4 27E+01	73 87	
1314 000	-5 210	21 9500	1317 0000	5 210	9 48	4 27E+01	73 82	
1315 000	-5 201	21 9667	1318 0000	5 201	9 49	4 26E+01	73 74	
1316 000	-5 198	21 9833	1319 0000	5 198	9 49	4 26E+01	73 72	
1317 000	-5 195	22.0000	1320 0000	5 195	9 49	4 25E+01	73 69	
1318 000	-5 198	22 0167	1321 0000	5 198	9 49	4 26E+01	73 72	
1319 000	-5 201	22.0333	1322 0000	5 201	9 49	4 26E+01	73 74	
1320 000	-5 195	22 0500	1323 0000	5 195	9 49	4 25E+01	73 69	
1321 000	-5 195	22.0667	1324 0000	5 195	9 49	4 25E+01	73 69	
1322 000	-5 195	22.0833	1325 0000	5 195	9 49	4 25E+01	73 69	
1323 000	-5 204	22.1000	1326 0000	5 204	9 49	4 26E+01	73 77	
1324 000	-5 198	22.1167	1327 0000	5 198	9 49	4 26E+01	73 72	
1325 000	-5 204	22.1333	1328 0000	5 204	9 49	4 26E+01	73 77	
1326 000	-5 207	22 1500	1329 0000	5 207	9 48	4 26E+01	73 79	
1327 000	-5 214	22.1667	1330 0000	5 214	9 48	4 27E+01	73 85	
1328 000	-5 207	22.1833	1331 0000	5 207	9 48	4 26E+01	73 79	
1329 000	-5 207	22.2000	1332 0000	5 207	9 48	4 26E+01	73 79	
1330 000	-5 207	22.2167	1333 0000	5 207	9 48	4 26E+01	73 79	
1331 000	-5 201	22.2333	1334 0000	5 201	9 49	4 26E+01	73 74	
1332 000	-5 195	22.2500	1335 0000	5 195	9 49	4 25E+01	73 69	
1333 000	-5 195	22 2667	1336 0000	5 195	9 49	4 25E+01	73 69	

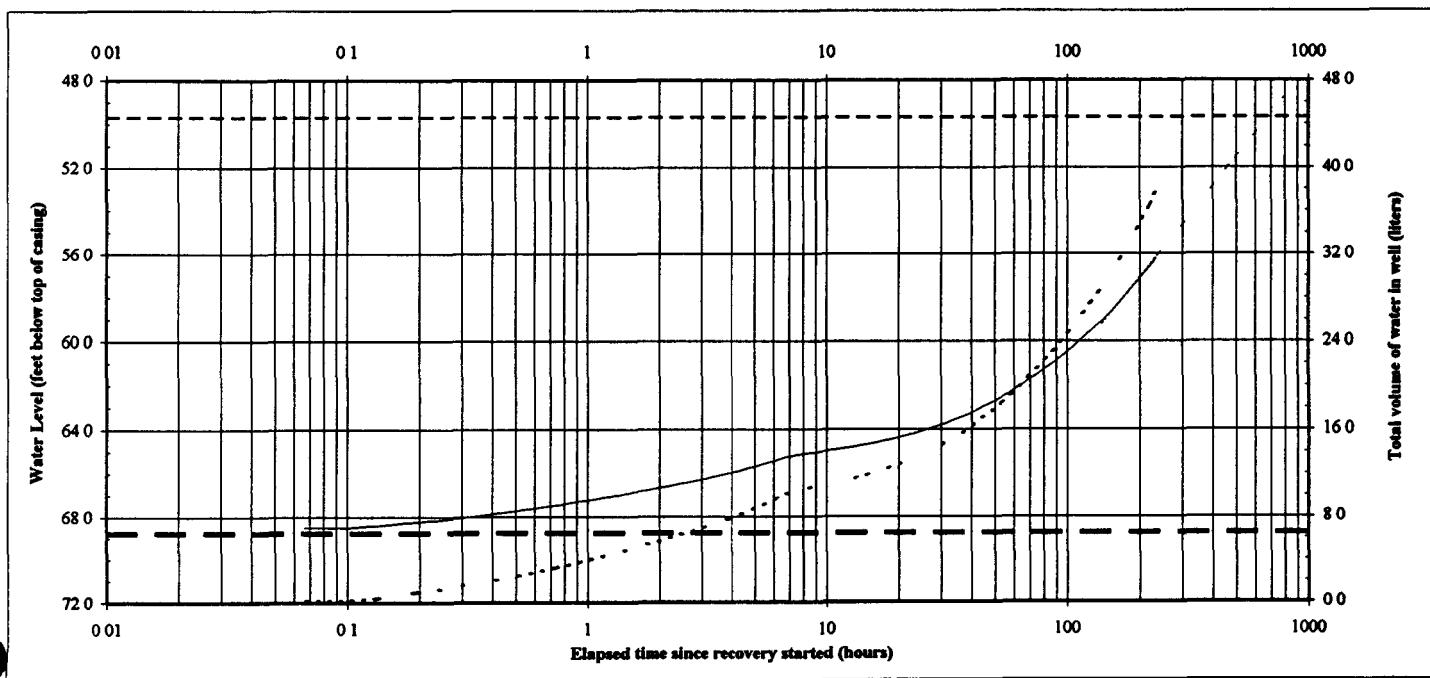
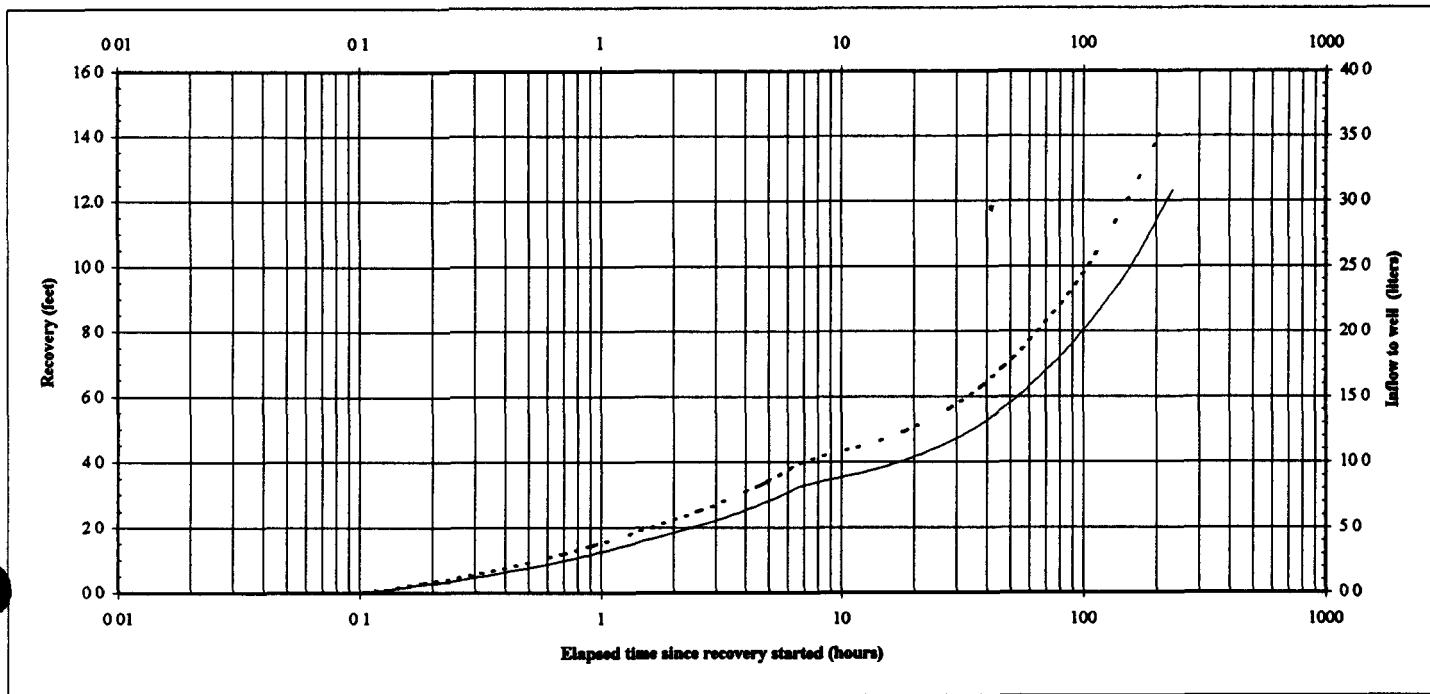
Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbfc)	Inflow (liters)	water in well (liters)
1334 000	-5 195	22.2833		1337 00000	5 195	9 49	4 25E+01	73 69
1335 000	-5 198	22.3000		1338 00000	5 198	9 49	4 26E+01	73 72
1336 000	-5 201	22.3167		1339 00000	5 201	9 49	4 26E+01	73 74
1337 000	-5 204	22.3333		1340 00000	5 204	9 49	4 26E+01	73 77
1338 000	-5 198	22.3500		1341 00000	5 198	9 49	4 26E+01	73 72
1339 000	-5 191	22.3667		1342 00000	5 191	9 50	4 25E+01	73 66
1340 000	-5 188	22.3833		1343 00000	5 188	9 50	4 25E+01	73 64
1341 000	-5 185	22.4000		1344 00000	5 185	9 50	4 24E+01	73 61
1342 000	-5 188	22.4167		1345 00000	5 188	9 50	4 25E+01	73 64
1343 000	-5 185	22.4333		1346 00000	5 185	9 50	4 24E+01	73 61
1344 000	-5 182	22.4500		1347 00000	5 182	9 51	4 24E+01	73 59
1345 000	-5 182	22.4667		1348 00000	5 182	9 51	4 24E+01	73 59
1346 000	-5 188	22.4833		1349 00000	5 188	9 50	4 25E+01	73 64
1347 000	-5 188	22.5000		1350 00000	5 188	9 50	4 25E+01	73 64
1348 000	-5 188	22.5167		1351 00000	5 188	9 50	4 25E+01	73 64
1349 000	-5 185	22.5333		1352 00000	5 185	9 50	4 24E+01	73 61
1350 000	-5 182	22.5500		1353 00000	5 182	9 51	4 24E+01	73 59
1351 000	-5 182	22.5667		1354 00000	5 182	9 51	4 24E+01	73 59
1352 000	-5 182	22.5833		1355 00000	5 182	9 51	4 24E+01	73 59
1353 000	-5 179	22.6000		1356 00000	5 179	9 51	4 24E+01	73 56
1354 000	-5 176	22.6167		1357 00000	5 176	9 51	4 24E+01	73 54
1355 000	-5 176	22.6333		1358 00000	5 176	9 51	4 24E+01	73 54
1356 000	-5 172	22.6500		1359 00000	5 172	9 52	4 23E+01	73 51
1357 000	-5 169	22.6667		1360 00000	5 169	9 52	4 23E+01	73 48
1358 000	-5 166	22.6833		1361 00000	5 166	9 52	4 23E+01	73 46
1359 000	-5 169	22.7000		1362 00000	5 169	9 52	4 23E+01	73 48
1360 000	-5 172	22.7167		1363 00000	5 172	9 52	4 23E+01	73 51
1361 000	-5 185	22.7333		1364 00000	5 185	9 50	4 24E+01	73 61
1362 000	-5 210	22.7500		1365 00000	5 210	9 48	4 27E+01	73 82
1363 000	-5 236	22.7667		1366 00000	5 236	9 45	4 29E+01	74 03
1364 000	-5 255	22.7833		1367 00000	5 255	9 43	4 30E+01	74 19
1365 000	-5 268	22.8000		1368 00000	5 268	9 42	4 31E+01	74 29
1366 000	-5 284	22.8167		1369 00000	5 284	9 41	4 33E+01	74 42
1367 000	-5 299	22.8333		1370 00000	5 299	9 39	4 34E+01	74 55
1368 000	-5 306	22.8500		1371 00000	5 306	9 38	4 34E+01	74 60
1369 000	-5 309	22.8667		1372 00000	5 309	9 38	4 35E+01	74 63
1370 000	-5 306	22.8833		1373 00000	5 306	9 38	4 34E+01	74 60
1371 000	-5 309	22.9000		1374 00000	5 309	9 38	4 35E+01	74 63
1372 000	-5 309	22.9167		1375 00000	5 309	9 38	4 35E+01	74 63
1373 000	-5 319	22.9333		1376 00000	5 319	9 37	4 35E+01	74 71

Well No. 22093
Measured recovery after sampling

Date: 3-Jun-94
2nd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well

- - - Water Level
 - - - Volume
 - - - Extrapolation



Well No.

22093

Date Sampled

2 nd quarter
3-Jun-94

Final bail time	11:38	Delay	4 00	Minutes
Set transducer time	11:42			
Static Water Level (pre-sampling)	65.7	feet below top of casing		
Final water level (post-sampling)	56.2	feet below top of casing		
Last recorded water level	52.4	feet below transducer		
Transducer Reference Depth	68.5	feet below top of casing		
Bottom of well	58.4	feet below top of casing		
First recorded water level	58.0	feet below transducer		
First recorded water level	68.5	feet below top of casing		
Water column remaining in casing after purging	0.3	feet		
Volume remaining in casing after purging	0.2	liters		
Well Diameter	7.0	inches	0.583	feet
Well Radius	3.5	inches	0.292	feet
Casing Diameter	7.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	47.0	feet below top of casing		
			0.62 liter/foot	
			3.05 liter/foot	

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 000	0 000	0 0667	4 00000	0 000	68 51	0 00E+00	0 16
0 003	0 000	0 0667	4 00330	0 000	68 51	0 00E+00	0 16
0 007	0 000	0 0668	4 00660	0 000	68 51	0 00E+00	0 16
0 010	0 000	0 0668	4 00990	0 000	68 51	0 00E+00	0 16
0 013	0 000	0 0669	4 01330	0 000	68 51	0 00E+00	0 16
0 017	0 000	0 0669	4 01660	0 000	68 51	0 00E+00	0 16
0 020	0 000	0 0670	4 02000	0 000	68 51	0 00E+00	0 16
0 023	0 000	0 0671	4 02330	0 000	68 51	0 00E+00	0 16
0 027	0 000	0 0671	4 02660	0 000	68 51	0 00E+00	0 16
0 030	0 000	0 0672	4 03000	0 000	68 51	0 00E+00	0 16
0 033	0 000	0 0672	4 03330	0 000	68 51	0 00E+00	0 16
0 050	0 000	0 0675	4 05000	0 000	68 51	0 00E+00	0 16
0 067	0 000	0 0678	4 06660	0 000	68 51	0 00E+00	0 16
0 083	0 000	0 0681	4 08330	0 000	68 51	0 00E+00	0 16
0 100	0 000	0 0683	4 10000	0 000	68 51	0 00E+00	0 16
0 117	0 000	0 0686	4 11660	0 000	68 51	0 00E+00	0 16
0 133	0 000	0 0689	4 13330	0 000	68 51	0 00E+00	0 16
0 150	0 000	0 0692	4 15000	0 000	68 51	0 00E+00	0 16
0 167	0 000	0 0694	4 16660	0 000	68 51	0 00E+00	0 16
0 183	0 000	0 0697	4 18330	0 000	68 51	0 00E+00	0 16
0 200	0 000	0 0700	4 20000	0 000	68 51	0 00E+00	0 16
0 217	0 000	0 0703	4 21660	0 000	68 51	0 00E+00	0 16
0 233	0 000	0 0706	4 23330	0 000	68 51	0 00E+00	0 16
0 250	0 000	0 0708	4 25000	0 000	68 51	0 00E+00	0 16
0 267	0 000	0 0711	4 26660	0 000	68 51	0 00E+00	0 16
0 283	0 000	0 0714	4 28330	0 000	68 51	0 00E+00	0 16
0 300	0 000	0 0717	4 30000	0 000	68 51	0 00E+00	0 16
0 317	0 000	0 0719	4 31660	0 000	68 51	0 00E+00	0 16
0 333	0 000	0 0722	4 33330	0 000	68 51	0 00E+00	0 16
0 417	0 000	0 0736	4 41670	0 000	68 51	0 00E+00	0 16
0 500	0 000	0 0750	4 50000	0 000	68 51	0 00E+00	0 16
0 583	0 000	0 0764	4 58330	0 000	68 51	0 00E+00	0 16
0 667	0 000	0 0778	4 66670	0 000	68 51	0 00E+00	0 16
0 750	0 000	0 0792	4 75000	0 000	68 51	0 00E+00	0 16
0 833	0 000	0 0806	4 83330	0 000	68 51	0 00E+00	0 16
0 917	0 000	0 0819	4 91670	0 000	68 51	0 00E+00	0 16
1 000	0 000	0 0833	5 00000	0 000	68 51	0 00E+00	0 16
1 083	0 000	0 0847	5 08330	0 000	68 51	0 00E+00	0 16
1 167	0 000	0 0861	5 16670	0 000	68 51	0 00E+00	0 16

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 250	0 000	0 0875	5 25000	0 000	68 51	0 00E+00	0 16
1 333	0 000	0 0889	5 33330	0 000	68 51	0 00E+00	0 16
1 417	0 000	0 0903	5 41660	0 000	68 51	0 00E+00	0 16
1 500	0 000	0 0917	5 50000	0 000	68 51	0 00E+00	0 16
1 583	0 000	0 0931	5 58330	0 000	68 51	0 00E+00	0 16
1 667	0 000	0 0944	5 66670	0 000	68 51	0 00E+00	0 16
1 750	-0 010	0 0958	5 75000	0 010	68 50	3 05E-02	0 19
1 833	-0 010	0 0972	5 83330	0 010	68 50	3 05E-02	0 19
1 917	-0 010	0 0986	5 91670	0 010	68 50	3 05E-02	0 19
2 000	-0 020	0 1000	6 00000	0 020	68 49	6 10E-02	0 22
2 500	-0 040	0 1083	6 50000	0 040	68 47	1 22E-01	0 28
3 000	-0 060	0 1167	7 00000	0 060	68 45	1 83E-01	0 34
3 500	-0 080	0 1250	7 50000	0 080	68 43	2 44E-01	0 40
4 000	-0 100	0 1333	8 00000	0 100	68 41	3 05E-01	0 47
4 500	-0 130	0 1417	8 50000	0 130	68 38	3 97E-01	0 56
5 000	-0 160	0 1500	9 00000	0 160	68 35	4 88E-01	0 65
5 500	-0 180	0 1583	9 50000	0 180	68 33	5 49E-01	0 71
6 000	-0 210	0 1667	10 00000	0 210	68 30	6 41E-01	0 80
6 500	-0 230	0 1750	10 50000	0 230	68 28	7 02E-01	0 86
7 000	-0 240	0 1833	11 00000	0 240	68 27	7 32E-01	0 89
7 500	-0 260	0 1917	11 50000	0 260	68 25	7 93E-01	0 95
8 000	-0 280	0 2000	12 00000	0 280	68 23	8 54E-01	1 01
8 500	-0 290	0 2083	12.50000	0 290	68 22	8 85E-01	1 05
9 000	-0 310	0 2167	13 00000	0 310	68 20	9 46E-01	1 11
9 500	-0 320	0 2250	13 50000	0 320	68 19	9 76E-01	1 14
10 000	-0 330	0 2333	14 00000	0 330	68 18	1 01E+00	1 17
12 000	-0 400	0 2667	16 00000	0 400	68 11	1 22E+00	1 38
14 000	-0 470	0 3000	18 00000	0 470	68 04	1 43E+00	1 59
16 000	-0 520	0 3333	20 00000	0 520	67 99	1 59E+00	1 75
18 000	-0 580	0 3667	22.00000	0 580	67 93	1 77E+00	1 93
20 000	-0 630	0 4000	24 00000	0 630	67 88	1 92E+00	2 08
22 000	-0 680	0 4333	26.00000	0 680	67 83	2 07E+00	2 24
24 000	-0 720	0 4667	28 00000	0 720	67 79	2 20E+00	2 36
26 000	-0 760	0 5000	30 00000	0 760	67 75	2 32E+00	2 48
28 000	-0 800	0 5333	32 00000	0 800	67 71	2 44E+00	2 60
30 000	-0 840	0 5667	34 00000	0 840	67 67	2 56E+00	2 72
32 000	-0 880	0 6000	36.00000	0 880	67 63	2 68E+00	2 85
34 000	-0 920	0 6333	38 00000	0 920	67 59	2 81E+00	2 97
36 000	-0 950	0 6667	40 00000	0 950	67 56	2 90E+00	3 06
38 000	-0 980	0 7000	42 00000	0 980	67 53	2 99E+00	3 15
40 000	-1 020	0 7333	44 00000	1 020	67 49	3 11E+00	3 27
42 000	-1 050	0 7667	46 00000	1 050	67 46	3 20E+00	3 36
44 000	-1 080	0 8000	48 00000	1 080	67 43	3 29E+00	3 46
46 000	-1 120	0 8333	50 00000	1 120	67 39	3 42E+00	3 58
48 000	-1 150	0 8667	52.00000	1 150	67 36	3 51E+00	3 67
50 000	-1 170	0 9000	54 00000	1 170	67 34	3 57E+00	3 73
52 000	-1 200	0 9333	56 00000	1 200	67 31	3 66E+00	3 82
54 000	-1 230	0 9667	58 00000	1 230	67 28	3 75E+00	3 91
56 000	-1 250	1 0000	60 00000	1 250	67 26	3 81E+00	3 97
58 000	-1 280	1 0333	62 00000	1 280	67 23	3 90E+00	4 07
60 000	-1 300	1 0667	64 00000	1 300	67 21	3 97E+00	4 13
62 000	-1 330	1 1000	66 00000	1 330	67 18	4 06E+00	4 22
64 000	-1 350	1 1333	68 00000	1 350	67 16	4 12E+00	4 28
66 000	-1 380	1 1667	70 00000	1 380	67 13	4 21E+00	4 37
68 000	-1 400	1 2000	72 00000	1 400	67 11	4 27E+00	4 43
70 000	-1 420	1 2333	74 00000	1 420	67 09	4 33E+00	4 49
72 000	-1 440	1 2667	76 00000	1 440	67 07	4 39E+00	4 55
74 000	-1 460	1 3000	78 00000	1 460	67 05	4 45E+00	4 61
76 000	-1 480	1 3333	80 00000	1 480	67 03	4 51E+00	4 68
78 000	-1 510	1 3667	82 00000	1 510	67 00	4 61E+00	4 77
80 000	-1 530	1 4000	84 00000	1 530	66 98	4 67E+00	4 83
82 000	-1 550	1 4333	86 00000	1 550	66 96	4 73E+00	4 89
84 000	-1 570	1 4667	88 00000	1 570	66 94	4 79E+00	4 95
86 000	-1 590	1 5000	90 00000	1 590	66 92	4 85E+00	5 01
88 000	-1 610	1 5333	92 00000	1 610	66 90	4 91E+00	5 07
90 000	-1 630	1 5667	94 00000	1 630	66 88	4 97E+00	5 13
92 000	-1 640	1 6000	96 00000	1 640	66 87	5 00E+00	5 16
94 000	-1 660	1 6333	98 00000	1 660	66 85	5 06E+00	5 22
96 000	-1 680	1 6667	100 00000	1 680	66 83	5 13E+00	5 29
98 000	-1 690	1 7000	102.00000	1 690	66 82	5 16E+00	5 32
100 000	-1 710	1 7333	104.00000	1 710	66 80	5 22E+00	5 38
110 000	-1 790	1 9000	114 00000	1 790	66 72	5 46E+00	5 62
120 000	-1 870	2 0667	124 00000	1 870	66 64	5 70E+00	5 87

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
130 000	-1 940	2.2333	134 00000	1 940	66 57	5 92E+00	6 08
140 000	-2 010	2.4000	144 00000	2 010	66 50	6.13E+00	6.29
150 000	-2 080	2.5667	154 00000	2 080	66 43	6.35E+00	6.51
160 000	-2 130	2.7333	164 00000	2 130	66 38	6.50E+00	6.66
170 000	-2 190	2.9000	174 00000	2 190	66 32	6.68E+00	6.84
180 000	-2 250	3 0667	184 00000	2 250	66.26	6.86E+00	7 02
190 000	-2 310	3 2333	194 00000	2 310	66.20	7.05E+00	7 21
200 000	-2 360	3 4000	204 00000	2 360	66 15	7.20E+00	7 36
210 000	-2 410	3 5667	214 00000	2 410	66 10	7.35E+00	7 51
220 000	-2 460	3 7333	224 00000	2 460	66 05	7.50E+00	7 67
230 000	-2 510	3 9000	234 00000	2 510	66.00	7.66E+00	7 82
240 000	-2 560	4 0667	244 00000	2 560	65 95	7.81E+00	7 97
250 000	-2 600	4 2333	254 00000	2 600	65 91	7.93E+00	8 09
260 000	-2 650	4 4000	264 00000	2 650	65 86	8.08E+00	8 24
270 000	-2 700	4 5667	274 00000	2 700	65 81	8.24E+00	8 40
280 000	-2 750	4 7333	284 00000	2 750	65 76	8.39E+00	8 55
290 000	-2 790	4 9000	294 00000	2 790	65 72	8.51E+00	8 67
300 000	-2 830	5 0667	304 00000	2 830	65 68	8.63E+00	8 79
310 000	-2 880	5 2333	314 00000	2 880	65 63	8.79E+00	8 95
320 000	-2 920	5 4000	324 00000	2 920	65 59	8.91E+00	9 07
330 000	-2 960	5 5667	334 00000	2 960	65 55	9.03E+00	9 19
340 000	-3 010	5 7333	344 00000	3 010	65 50	9.18E+00	9 34
350 000	-3 050	5 9000	354 00000	3 050	65 46	9.30E+00	9 47
360 000	-3 090	6 0667	364 00000	3 090	65 42	9.43E+00	9 59
370 000	-3 130	6 2333	374 00000	3 130	65 38	9.55E+00	9 71
380 000	-3 170	6 4000	384 00000	3 170	65 34	9.67E+00	9 83
390 000	-3 220	6 5667	394 00000	3 220	65 29	9.82E+00	9 98
400 000	-3 250	6 7333	404 00000	3 250	65 26	9.91E+00	10 08
410 000	-3 270	6 9000	414 00000	3 270	65 24	9.98E+00	10 14
420 000	-3 290	7 0667	424 00000	3 290	65 22	1.00E+01	10 20
430 000	-3 310	7 2333	434 00000	3 310	65 20	1.01E+01	10 26
440 000	-3 330	7 4000	444 00000	3.330	65 18	1.02E+01	10 32
450 000	-3 350	7 5667	454 00000	3 350	65 16	1.02E+01	10 38
460 000	-3 370	7 7333	464 00000	3.370	65 14	1.03E+01	10 44
470 000	-3 380	7 9000	474 00000	3 380	65 13	1.03E+01	10 47
480 000	-3 400	8 0667	484 00000	3 400	65 11	1.04E+01	10 53
490 000	-3 410	8 2333	494 00000	3 410	65 10	1.04E+01	10 56
500 000	-3 430	8 4000	504 00000	3 430	65 08	1.05E+01	10 62
510 000	-3 440	8 5667	514 00000	3 440	65 07	1.05E+01	10 65
520 000	-3 450	8 7333	524 00000	3 450	65 06	1.05E+01	10 69
530 000	-3 460	8 9000	534 00000	3 460	65 05	1.06E+01	10 72
540 000	-3 480	9 0667	544 00000	3 480	65 03	1.06E+01	10 78
550 000	-3 490	9 2333	554 00000	3 490	65 02	1.06E+01	10 81
560 000	-3 500	9 4000	564 00000	3 500	65 01	1.07E+01	10 84
570 000	-3 510	9 5667	574 00000	3 510	65 00	1.07E+01	10 87
580 000	-3 520	9 7333	584 00000	3 520	64 99	1.07E+01	10 90
590 000	-3 530	9 9000	594 00000	3 530	64 98	1.08E+01	10 93
600 000	-3 540	10 0667	604 00000	3 540	64 97	1.08E+01	10 96
610 000	-3 560	10 2333	614 00000	3 560	64 95	1.09E+01	11 02
620 000	-3 570	10 4000	624 00000	3 570	64 94	1.09E+01	11 05
630 000	-3 580	10 5667	634 00000	3 580	64 93	1.09E+01	11 08
640 000	-3 590	10 7333	644 00000	3 590	64 92	1.10E+01	11 11
650 000	-3 600	10 9000	654 00000	3 600	64 91	1.10E+01	11 14
660 000	-3 610	11 0667	664 00000	3 610	64 90	1.10E+01	11 17
670 000	-3 620	11 2333	674 00000	3 620	64 89	1.10E+01	11 20
680 000	-3 630	11 4000	684 00000	3 630	64 88	1.11E+01	11 23
690 000	-3 640	11 5667	694 00000	3 640	64 87	1.11E+01	11 26
700 000	-3 650	11 7333	704 00000	3 650	64 86	1.11E+01	11 30
710 000	-3 660	11 9000	714 00000	3 660	64 85	1.12E+01	11 33
720 000	-3 670	12.0667	724 00000	3 670	64 84	1.12E+01	11.36
730 000	-3 680	12.2333	734 00000	3 680	64 83	1.12E+01	11 39
740 000	-3 690	12 4000	744 00000	3 690	64 82	1.13E+01	11 42
750 000	-3 700	12 5667	754 00000	3 700	64 81	1.13E+01	11 45
760 000	-3 710	12 7333	764 00000	3 710	64 80	1.13E+01	11 48
770 000	-3 720	12 9000	774 00000	3 720	64 79	1.13E+01	11 51
780 000	-3 730	13 0667	784 00000	3 730	64 78	1.14E+01	11 54
790 000	-3 740	13 2333	794 00000	3 740	64 77	1.14E+01	11 57
800 000	-3 750	13 4000	804 00000	3 750	64 76	1.14E+01	11 60
810 000	-3 760	13 5667	814 00000	3 760	64 75	1.15E+01	11 63
820 000	-3 770	13 7333	824 00000	3 770	64 74	1.15E+01	11 66
830 000	-3 780	13 9000	834 00000	3 780	64 73	1.15E+01	11 69
840 000	-3 790	14 0667	844 00000	3 790	64 72	1.16E+01	11 72
850 000	-3 800	14 2333	854 00000	3 800	64 71	1.16E+01	11 75

Input Transducer Elapsed Time	data (minutes)	Elapsed Time Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
860 000	-3 810	14 4000	864 00000	3 810	64 70	1 16E+01	11 78	
870 000	-3 820	14 5667	874 00000	3 820	64 69	1 17E+01	11 81	
880 000	-3 830	14 7333	884 00000	3 830	64 68	1 17E+01	11 84	
890 000	-3 840	14 9000	894 00000	3 840	64 67	1 17E+01	11 88	
900 000	-3 850	15 0667	904 00000	3 850	64 66	1 17E+01	11 91	
910 000	-3 860	15 2333	914 00000	3 860	64 65	1 18E+01	11 94	
920 000	-3 870	15 4000	924 00000	3 870	64 64	1 18E+01	11 97	
930 000	-3 880	15 5667	934 00000	3 880	64 63	1 18E+01	12.00	
940 000	-3 890	15 7333	944 00000	3 890	64 62	1 19E+01	12.03	
950 000	-3 900	15 9000	954 00000	3 900	64 61	1 19E+01	12.06	
960 000	-3 910	16.0667	964 00000	3 910	64 60	1 19E+01	12.09	
970 000	-3 920	16 2333	974 00000	3 920	64 59	1 20E+01	12.12	
980 000	-3 940	16.4000	984 00000	3 940	64 57	1 20E+01	12.18	
990 000	-3 950	16.5667	994 00000	3 950	64 56	1 20E+01	12.21	
1000 000	-3 960	16.7333	1004 00000	3 960	64 55	1 21E+01	12.24	
1100 000	-4 060	18 4000	1104 00000	4 060	64 45	1 24E+01	12.55	
1200 000	-4 160	20 0667	1204 00000	4 160	64 35	1 27E+01	12.85	
1300 000	-4 250	21 7333	1304 00000	4 250	64 26	1 30E+01	13 13	
1400 000	-4 350	23 4000	1404 00000	4 350	64 16	1 33E+01	13 43	
1500 000	-4 440	25 0667	1504 00000	4 440	64 07	1 35E+01	13 71	
1600 000	-4 530	26.7333	1604 00000	4 530	63 98	1 38E+01	13 98	
1700 000	-4 620	28 4000	1704 00000	4 620	63 89	1 41E+01	14 25	
1800 000	-4 720	30 0667	1804 00000	4 720	63 79	1 44E+01	14 56	
1900 000	-4 810	31 7333	1904 00000	4 810	63 70	1 47E+01	14 83	
2000 000	-4 900	33 4000	2004 00000	4 900	63 61	1 49E+01	15 11	
2100 000	-4 990	35 0667	2104 00000	4 990	63 52	1 52E+01	15 38	
2200 000	-5 080	36.7333	2204 00000	5 080	63 43	1 55E+01	15 66	
2300 000	-5 170	38 4000	2304 00000	5 170	63 34	1 58E+01	15 93	
2400 000	-5 260	40 0667	2404 00000	5 260	63 25	1 60E+01	16 21	
2500 000	-5 360	41 7333	2504 00000	5 360	63 15	1 64E+01	16 51	
2600 000	-5 450	43 4000	2604 00000	5 450	63 06	1 66E+01	16 79	
2700 000	-5 560	45 0667	2704 00000	5 560	62 95	1 70E+01	17 12	
2800 000	-5 640	46 7333	2804 00000	5 640	62 87	1 72E+01	17 37	
2900 000	-5 720	48 4000	2904 00000	5 720	62 79	1 74E+01	17 61	
3000 000	-5 800	50 0667	3004 00000	5 800	62 71	1 77E+01	17 85	
3100 000	-5 880	51 7333	3104 00000	5 880	62 63	1 79E+01	18 10	
3200 000	-5 970	53 4000	3204 00000	5 970	62 54	1 82E+01	18 37	
3300 000	-6.060	55 0667	3304 00000	6 060	62 45	1 85E+01	18 65	
3400 000	-6 130	56.7333	3404 00000	6 130	62 38	1 87E+01	18 86	
3500 000	-6 220	58 4000	3504 00000	6 220	62 29	1 90E+01	19 14	
3600 000	-6 310	60 0667	3604 00000	6 310	62 20	1 92E+01	19 41	
3700 000	-6 390	61 7333	3704 00000	6 390	62 12	1 95E+01	19 65	
3800 000	-6 470	63 4000	3804 00000	6 470	62 04	1 97E+01	19 90	
3900 000	-6 550	65 0667	3904 00000	6 550	61 96	2 00E+01	20 14	
4000 000	-6 620	66.7333	4004 00000	6 620	61 89	2 02E+01	20 36	
4100 000	-6 710	68 4000	4104 00000	6 710	61 80	2 05E+01	20 63	
4200 000	-6 790	70 0667	4204 00000	6 790	61 72	2 07E+01	20 87	
4300 000	-6 860	71 7333	4304 00000	6 860	61 65	2 09E+01	21 09	
4400 000	-6 920	73 4000	4404 00000	6 920	61 59	2 11E+01	21 27	
4500 000	-7 000	75 0667	4504 00000	7 000	61 51	2 14E+01	21 51	
4600 000	-7 060	76 7333	4604 00000	7 060	61 45	2 15E+01	21 70	
4700 000	-7 140	78 4000	4704 00000	7 140	61 37	2 18E+01	21 94	
4800 000	-7 210	80 0667	4804 00000	7 210	61 30	2 20E+01	22 16	
4900 000	-7 280	81 7333	4904 00000	7 280	61 23	2 22E+01	22 37	
5000 000	-7 350	83 4000	5004 00000	7 350	61 16	2 24E+01	22 58	
5100 000	-7 420	85 0667	5104 00000	7 420	61 09	2 26E+01	22 80	
5200 000	-7 490	86 7333	5204 00000	7 490	61 02	2 28E+01	23 01	
5300 000	-7 550	88 4000	5304 00000	7 550	60 96	2 30E+01	23 19	
5400 000	-7 620	90 0667	5404 00000	7 620	60 89	2 32E+01	23 41	
5500 000	-7 690	91 7333	5504 00000	7 690	60 82	2 35E+01	23 62	
5600 000	-7 760	93 4000	5604 00000	7 760	60 75	2 37E+01	23 83	
5700 000	-7 830	95 0667	5704 00000	7 830	60 68	2 39E+01	24 05	
5800 000	-7 890	96 7333	5804 00000	7 890	60 62	2 41E+01	24 23	
5900 000	-7 960	98 4000	5904 00000	7 960	60 55	2 43E+01	24 44	
6000 000	-8 020	100 0667	6004 00000	8 020	60 49	2 45E+01	24 63	
6100 000	-8 080	101 7333	6104 00000	8 080	60 43	2 46E+01	24 81	
6200 000	-8 150	103 4000	6204 00000	8 150	60 36	2 49E+01	25 02	
6300 000	-8 220	105 0667	6304 00000	8 220	60 29	2 51E+01	25 24	
6400 000	-8 280	106 7333	6404 00000	8 280	60 23	2 53E+01	25 42	
6500 000	-8 340	108 4000	6504 00000	8 340	60 17	2 54E+01	25 60	
6600 000	-8 410	110 0667	6604 00000	8 410	60 10	2 57E+01	25 82	
6700 000	-8 470	111 7333	6704 00000	8 470	60 04	2 58E+01	26.00	
6800 000	-8 540	113 4000	6804 00000	8 540	59 97	2 61E+01	26.21	

Input Transducer Elapsed Time	data Δ head (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftmc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
6900 000	-8 600	115 0667	6904 00000	8 600	59 91	2.62E+01	26 40	
7000 000	-8 660	116 7333	7004 00000	8 660	59 85	2.64E+01	26.38	
7100 000	-8 730	118 4000	7104 00000	8 730	59 78	2.66E+01	26.79	
7200 000	-8 790	120 0667	7204 00000	8 790	59 72	2.68E+01	26.98	
7300 000	-8 860	121 7333	7304 00000	8 860	59 65	2.70E+01	27 19	
7400 000	-8 910	123 4000	7404 00000	8 910	59 60	2.72E+01	27 34	
7500 000	-8 960	125 0667	7504 00000	8 960	59 55	2.73E+01	27 49	
7600 000	-9 020	126 7333	7604 00000	9 020	59 49	2.75E+01	27 68	
7700 000	-9 080	128 4000	7704 00000	9 080	59 43	2.77E+01	27 86	
7800 000	-9 130	130.0667	7804 00000	9 130	59 38	2.79E+01	28 01	
7900 000	-9 180	131 7333	7904 00000	9 180	59 33	2.80E+01	28 17	
8000 000	-9 230	133 4000	8004 00000	9 230	59 28	2.82E+01	28 32	
8100 000	-9 290	135 0667	8104 00000	9 290	59 22	2.83E+01	28 50	
8200 000	-9 340	136 7333	8204 00000	9 340	59 17	2.85E+01	28 65	
8300 000	-9 390	138 4000	8304 00000	9 390	59 12	2.86E+01	28 81	
8400 000	-9 440	140 0667	8404 00000	9 440	59 07	2.88E+01	28 96	
8500 000	-9 500	141 7333	8504 00000	9 500	59 01	2.90E+01	29 14	
8600 000	-9 560	143 4000	8604 00000	9 560	58 95	2.92E+01	29 32	
8700 000	-9 620	145 0667	8704 00000	9 620	58 89	2.93E+01	29 51	
8800 000	-9 670	146.7333	8804 00000	9 670	58 84	2.95E+01	29 66	
8900 000	-9 720	148 4000	8904 00000	9 720	58 79	2.97E+01	29 81	
9000 000	-9 780	150 0667	9004 00000	9 780	58 73	2.98E+01	30 00	
9100 000	-9 840	151 7333	9104 00000	9 840	58 67	3 00E+01	30 18	
9200 000	-9 890	153 4000	9204 00000	9 890	58 62	3 02E+01	30 33	
9300 000	-9 950	155 0667	9304 00000	9 950	58 56	3 04E+01	30 51	
9400 000	-10 010	156 7333	9404 00000	10 010	58 50	3 05E+01	30 70	
9500 000	-10 060	158 4000	9504 00000	10 060	58 45	3 07E+01	30 85	
9600 000	-10 120	160 0667	9604 00000	10 120	58 39	3 09E+01	31 03	
9700 000	-10 180	161 7333	9704 00000	10 180	58 33	3 11E+01	31 22	
9800 000	-10 230	163 4000	9804 00000	10 230	58 28	3 12E+01	31 37	
9900 000	-10 290	165 0667	9904 00000	10 290	58 22	3 14E+01	31 55	
10000 000	-10 340	166 7333	10004 00000	10 340	58 17	3 15E+01	31 70	
10500 000	-10 610	175 0667	10504 00000	10 610	57 90	3 24E+01	32.53	
11000 000	-10 880	183 4000	11004 00000	10 880	57 63	3 32E+01	33.35	
11500 000	-11 130	191 7333	11504 00000	11 130	57 38	3 40E+01	34 11	
12000 000	-11 400	200 0667	12004 00000	11 400	57 11	3 48E+01	34 94	
12500 000	-11 650	208 4000	12504 00000	11 650	56 86	3 55E+01	35 70	
13000 000	-11 880	216 7333	13004 00000	11 880	56 63	3 62E+01	36 40	
13500 000	-12 110	225 0667	13504 00000	12,110	56 40	3 69E+01	37 10	
14000 000	-12.350	233 4000	14004 00000	12,350	56 16	3 77E+01	37 84	

Well No. 22393

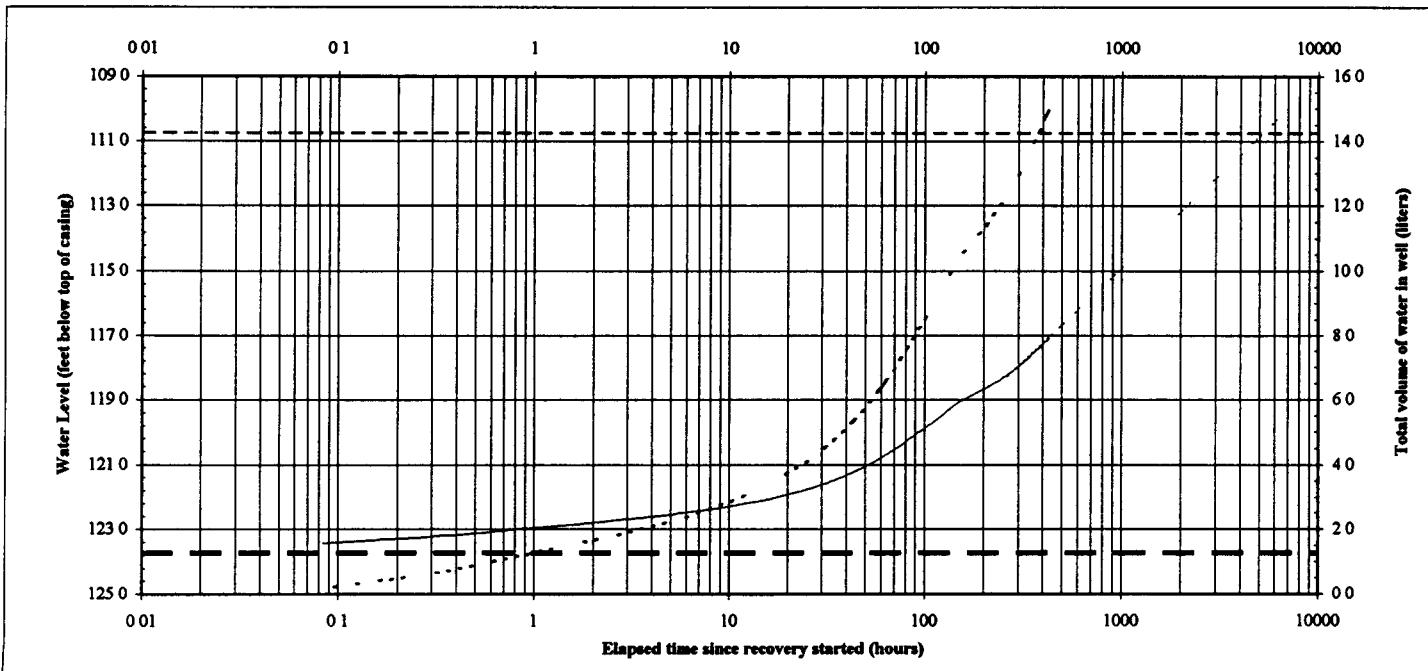
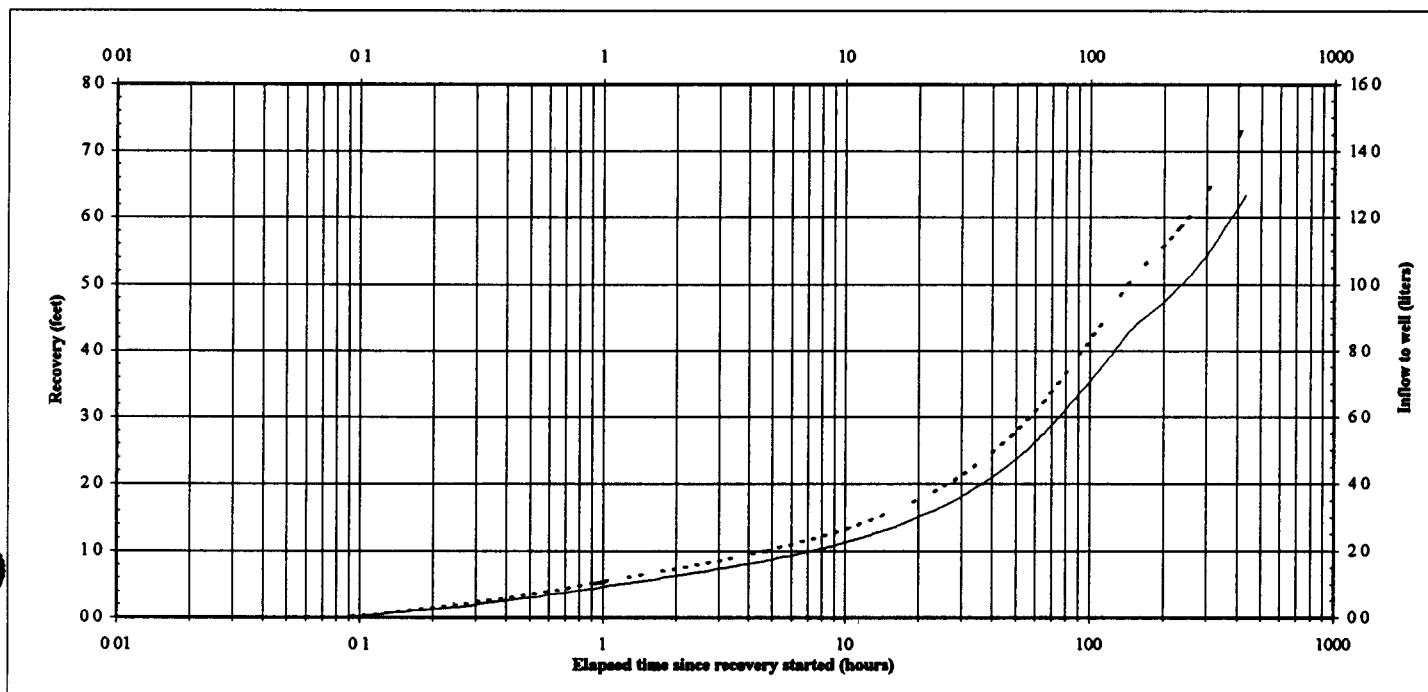
Measured recovery after sampling

Date: 20-May-94

2nd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume
 Extrapolation



Well No.

22393

Date Sampled

2nd quarter
20-May-94

Final ball time	9:30	Delay	5 00	Minutes
Set transducer time	9:16			
Static Water Level (pre-sampling)	110.8	feet below top of casing		
Final water level (post-sampling)	117.1	feet below top of casing		
Last recorded water level	117.4	feet below transducer		
Transducer Reference Depth	123.4	feet below top of casing		
Bottom of well	123.7	feet below top of casing		
First recorded water level	119.8	feet below transducer		
First recorded water level	123.4	feet below top of casing		
Water column remaining in casing after purging	0.3	feet		
Volume remaining in casing after purging	0.2	liters		
Well Diameter	5.0	inches	0.500	feet
Well Radius	3.0	inches	0.250	feet
Casing Diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	1.9	inches	0.162	feet
Top of sandpack	106.8	feet below top of casing		
			0.62	liter/foot
			2.35	liter/foot

Input	data	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
Transducer Elapsed Time		(minutes)	Δ head	(hours)	(Feet of water)	(fbtc)	Inflow	water in well
(minutes)	(feet)		(feet)				(Liters)	(Liters)
0 000	0 000	0 0833	0 0000	5 00000	0 000	123 42	0 00E+00	0 19
0 003	0 000	0 0834	0 00330	5 00330	0 000	123 42	0 00E+00	0 19
0 007	0 000	0 0834	0 00660	5 00660	0 000	123 42	0 00E+00	0 19
0 010	0 000	0 0835	0 00990	5 00990	0 000	123 42	0 00E+00	0 19
0 013	0 000	0 0836	0 01330	5 01330	0 000	123 42	0 00E+00	0 19
0 017	0 000	0 0836	0 01660	5 01660	0 000	123 42	0 00E+00	0 19
0 020	0 000	0 0837	0 02000	5 02000	0 000	123 42	0 00E+00	0 19
0 023	0 000	0 0837	0 02330	5 02330	0 000	123 42	0 00E+00	0 19
0 027	0 000	0 0838	0 02660	5 02660	0 000	123 42	0 00E+00	0 19
0 030	0 000	0 0838	0 03000	5 03000	0 000	123 42	0 00E+00	0 19
0 033	0 000	0 0839	0 03330	5 03330	0 000	123 42	0 00E+00	0 19
0 050	0 000	0 0842	0 05000	5 05000	0 000	123 42	0 00E+00	0 19
0 067	0 000	0 0844	0 06660	5 06660	0 000	123 42	0 00E+00	0 19
0 083	0 000	0 0847	0 08330	5 08330	0 000	123 42	0 00E+00	0 19
0 100	0 000	0 0850	0 10000	5 10000	0 000	123 42	0 00E+00	0 19
0 117	0 000	0 0853	0 11660	5 11660	0 000	123 42	0 00E+00	0 19
0 133	0 000	0 0856	0 13330	5 13330	0 000	123 42	0 00E+00	0 19
0 150	0 000	0 0858	0 15000	5 15000	0 000	123 42	0 00E+00	0 19
0 167	-0 010	0 0861	5 16660	5 16660	0 010	123 41	2.35E-02	0 22
0 183	-0 010	0 0864	5 18330	5 18330	0 010	123 41	2.35E-02	0 22
0 200	-0 010	0 0867	5 20000	5 20000	0 010	123 41	2.35E-02	0 22
0 217	-0 010	0 0869	5 21660	5 21660	0 010	123 41	2.35E-02	0 22
0 233	-0 010	0 0872	5 23330	5 23330	0 010	123 41	2.35E-02	0 22
0 250	-0 010	0 0875	5 25000	5 25000	0 010	123 41	2.35E-02	0 22
0 267	-0 010	0 0878	5 26660	5 26660	0 010	123 41	2.35E-02	0 22
0 283	-0 010	0 0881	5 28330	5 28330	0 010	123 41	2.35E-02	0 22
0 300	-0 010	0 0883	5 30000	5 30000	0 010	123 41	2.35E-02	0 22
0 317	-0 010	0 0886	5 31660	5 31660	0 010	123 41	2.35E-02	0 22
0 333	-0 010	0 0889	5 33330	5 33330	0 010	123 41	2.35E-02	0 22
0 417	-0 010	0 0903	5 41670	5 41670	0 010	123 41	2.35E-02	0 22
0 500	-0 010	0 0917	5 50000	5 50000	0 010	123 41	2.35E-02	0 22
0 583	-0 020	0 0931	5 58330	5 58330	0 020	123 40	4.70E-02	0 24
0 667	-0 020	0 0944	5 66670	5 66670	0 020	123 40	4.70E-02	0 24
0 750	-0 020	0 0958	5 75000	5 75000	0 020	123 40	4.70E-02	0 24
0 833	-0 020	0 0972	5 83330	5 83330	0 020	123 40	4.70E-02	0 24
0 917	-0 020	0 0986	5 91670	5 91670	0 020	123 40	4.70E-02	0 24
1 000	-0 030	0 1000	6 00000	6 00000	0 030	123 39	7.04E-02	0 26
1 083	-0 030	0 1014	6 08330	6 08330	0 030	123 39	7.04E-02	0 26
1 167	-0 030	0 1028	6 16670	6 16670	0 030	123 39	7.04E-02	0 26

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Foot of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
1 250	-0 030	0 1042	6.25000	0 030	123 39	7 04E-02	0 26
1 333	-0 030	0 1056	6.33330	0 030	123 39	7 04E-02	0 26
1 417	-0 040	0 1069	6 41660	0 040	123 38	9 39E-02	0 29
1 500	-0 040	0 1083	6 50000	0 040	123 38	9 39E-02	0 29
1 583	-0 040	0 1097	6.58330	0 040	123 38	9 39E-02	0 29
1 667	-0 040	0 1111	6.66670	0 040	123 38	9 39E-02	0 29
1 750	-0 040	0 1125	6.75000	0 040	123 38	9 39E-02	0 29
1 833	-0 040	0 1139	6 83330	0 040	123 38	9 39E-02	0 29
1 917	-0 040	0 1153	6 91670	0 040	123 38	9 39E-02	0 29
2.000	-0 050	0 1167	7 00000	0 050	123 37	1 17E-01	0 31
2.500	-0 060	0 1250	7 50000	0 060	123 36	1 41E-01	0 33
3 000	-0 070	0 1333	8 00000	0 070	123 35	1 64E-01	0 36
3 500	-0 080	0 1417	8 50000	0 080	123 34	1 88E-01	0 38
4 000	-0 080	0 1500	9 00000	0 080	123 34	1 88E-01	0 38
4 500	-0 090	0 1583	9 50000	0 090	123 33	2.11E-01	0 40
5 000	-0 110	0 1667	10 00000	0 110	123 31	2.58E-01	0 45
5 500	-0 110	0 1750	10 50000	0 110	123 31	2.58E-01	0 45
6 000	-0 110	0 1833	11 00000	0 110	123 31	2.58E-01	0 45
6 500	-0 120	0 1917	11 50000	0 120	123 30	2.82E-01	0 47
7 000	-0 130	0 2000	12.00000	0 130	123 29	3 05E-01	0 50
7 500	-0 130	0 2083	12.50000	0 130	123 29	3 05E-01	0 50
8 000	-0 140	0 2167	13 00000	0 140	123 28	3 29E-01	0 52
8 500	-0 140	0 2250	13 50000	0 140	123 28	3 29E-01	0 52
9 000	-0 150	0 2333	14 00000	0 150	123 27	3 52E-01	0 54
9 500	-0 160	0 2417	14 50000	0 160	123 26	3 76E-01	0 57
10 000	-0 160	0 2500	15 00000	0 160	123 26	3 76E-01	0 57
12.000	-0 180	0 2833	17 00000	0 180	123 24	4 23E-01	0 61
14 000	-0 210	0 3167	19 00000	0 210	123 21	4 93E-01	0 68
16 000	-0 230	0 3500	21 00000	0 230	123 19	5 40E-01	0 73
18 000	-0 240	0 3833	23 00000	0 240	123 18	5 63E-01	0 76
20 000	-0 260	0 4167	25 00000	0 260	123 16	6 10E-01	0 80
22.000	-0 280	0 4500	27 00000	0 280	123 14	6 57E-01	0 85
24 000	-0 300	0 4833	29 00000	0 300	123 12	7 04E-01	0 90
26 000	-0 310	0 5167	31 00000	0 310	123 11	7 28E-01	0 92
28 000	-0 320	0 5500	33 00000	0 320	123 10	7 51E-01	0 94
30 000	-0 340	0 5833	35 00000	0 340	123 08	7 98E-01	0 99
32 000	-0 350	0 6167	37 00000	0 350	123 07	8 22E-01	1 01
34 000	-0 360	0 6500	39 00000	0 360	123 06	8 45E-01	1 04
36 000	-0 370	0 6833	41 00000	0 370	123 05	8 69E-01	1 06
38 000	-0 380	0 7167	43 00000	0 380	123 04	8 92E-01	1 08
40 000	-0 400	0 7500	45 00000	0 400	123 02	9 39E-01	1 13
42.000	-0 410	0 7833	47 00000	0 410	123 01	9 63E-01	1 15
44 000	-0 420	0 8167	49 00000	0 420	123 00	9 86E-01	1 18
46 000	-0 430	0 8500	51 00000	0 430	122.99	1 01E+00	1 20
48 000	-0 440	0 8833	53 00000	0 440	122.98	1 03E+00	1 22
50 000	-0 440	0 9167	55 00000	0 440	122.98	1 03E+00	1 22
52.000	-0 450	0 9500	57 00000	0 450	122.97	1 06E+00	1 25
54 000	-0 460	0 9833	59 00000	0 460	122.96	1 08E+00	1 27
56 000	-0 470	1 0167	61 00000	0 470	122.95	1 10E+00	1 30
58 000	-0 480	1 0500	63 00000	0 480	122.94	1 13E+00	1 32
60 000	-0 490	1 0833	65 00000	0 490	122.93	1 15E+00	1 34
62.000	-0 490	1 1167	67 00000	0 490	122.93	1 15E+00	1 34
64 000	-0 500	1 1500	69 00000	0 500	122.92	1 17E+00	1 37
66 000	-0 510	1 1833	71 00000	0 510	122.91	1 20E+00	1 39
68 000	-0 510	1 2167	73 00000	0 510	122.91	1 20E+00	1 39
70 000	-0 520	1 2500	75 00000	0 520	122.90	1 22E+00	1 41
72 000	-0 520	1 2833	77 00000	0 520	122.90	1 22E+00	1 41
74 000	-0 530	1 3167	79 00000	0 530	122.89	1 24E+00	1 44
76 000	-0 540	1 3500	81 00000	0 540	122.88	1 27E+00	1 46
78 000	-0 540	1 3833	83 00000	0 540	122.88	1 27E+00	1 46
80 000	-0 550	1 4167	85 00000	0 550	122.87	1 29E+00	1 48
82.000	-0 550	1 4500	87 00000	0 550	122.87	1 29E+00	1 48
84 000	-0 560	1 4833	89 00000	0 560	122.86	1 31E+00	1 51
86 000	-0 560	1 5167	91 00000	0 560	122.86	1 31E+00	1 51
88 000	-0 570	1 5500	93 00000	0 570	122.85	1 34E+00	1 53
90 000	-0 570	1 5833	95 00000	0 570	122.85	1 34E+00	1 53
92.000	-0 580	1 6167	97 00000	0 580	122.84	1 36E+00	1 55
94 000	-0 580	1 6500	99 00000	0 580	122.84	1 36E+00	1 55
96 000	-0 590	1 6833	101 00000	0 590	122.83	1 39E+00	1 58
98 000	-0 590	1 7167	103 00000	0 590	122.83	1 39E+00	1 58
100 000	-0 600	1 7500	105 00000	0 600	122.82	1 41E+00	1 60
110 000	-0 620	1 9167	115 00000	0 620	122.80	1 46E+00	1 65
120 000	-0 640	2.0833	125 00000	0 640	122.78	1 50E+00	1 69

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final fall (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
130 000	-0 660	2.2500	135 00000	0 660	122.76	1 55E+00	1 74
140 000	-0 680	2.4167	145 00000	0 680	122.74	1 60E+00	1 79
150 000	-0 690	2.5833	155 00000	0 690	122.73	1 62E+00	1 81
160 000	-0 710	2.7500	165 00000	0 710	122.71	1 67E+00	1 86
170 000	-0 730	2.9167	175 00000	0 730	122.69	1 71E+00	1 91
180 000	-0 740	3 0833	185 00000	0 740	122.68	1 74E+00	1 93
190 000	-0 750	3 2500	195 00000	0 750	122.67	1 76E+00	1 95
200 000	-0 770	3 4167	205 00000	0 770	122.65	1 81E+00	2 00
210 000	-0 780	3 5833	215 00000	0 780	122.64	1 83E+00	2 02
220 000	-0 800	3 7500	225 00000	0 800	122.62	1 88E+00	2 07
230 000	-0 810	3 9167	235 00000	0 810	122.61	1 90E+00	2 09
240 000	-0 820	4 0833	245 00000	0 820	122.60	1 93E+00	2 12
250 000	-0 830	4 2500	255 00000	0 830	122.59	1 95E+00	2 14
260 000	-0 840	4 4167	265 00000	0 840	122.58	1 97E+00	2 16
270 000	-0 850	4 5833	275 00000	0 850	122.57	2.00E+00	2 19
280 000	-0 860	4 7500	285 00000	0 860	122.56	2.02E+00	2 21
290 000	-0 870	4 9167	295 00000	0 870	122.55	2.04E+00	2 23
300 000	-0 880	5 0833	305 00000	0 880	122.54	2.07E+00	2 26
310 000	-0 900	5 2500	315 00000	0 900	122.52	2.11E+00	2 30
320 000	-0 910	5 4167	325 00000	0 910	122.51	2.14E+00	2 33
330 000	-0 920	5 5833	335 00000	0 920	122.50	2.16E+00	2 35
340 000	-0 920	5 7500	345 00000	0 920	122.50	2.16E+00	2 35
350 000	-0 930	5 9167	355 00000	0 930	122.49	2.18E+00	2 38
360 000	-0 940	6 0833	365 00000	0 940	122.48	2.21E+00	2 40
370 000	-0 950	6 2500	375 00000	0 950	122.47	2.23E+00	2 42
380 000	-0 960	6 4167	385 00000	0 960	122.46	2.25E+00	2 45
390 000	-0 970	6 5833	395 00000	0 970	122.45	2.28E+00	2 47
400 000	-0 980	6 7500	405 00000	0 980	122.44	2.30E+00	2 49
410 000	-0 990	6 9167	415 00000	0 990	122.43	2.32E+00	2 52
420 000	-1 000	7 0833	425 00000	1 000	122.42	2.35E+00	2 54
430 000	-1 000	7 2500	435 00000	1 000	122.42	2.35E+00	2 54
440 000	-1 010	7 4167	445 00000	1 010	122.41	2.37E+00	2 56
450 000	-1 020	7 5833	455 00000	1 020	122.40	2.39E+00	2 59
460 000	-1 030	7 7500	465 00000	1 030	122.39	2.42E+00	2 61
470 000	-1 040	7 9167	475 00000	1 040	122.38	2.44E+00	2 63
480 000	-1 050	8 0833	485 00000	1 050	122.37	2.47E+00	2 66
490 000	-1 050	8 2500	495 00000	1 050	122.37	2.47E+00	2 66
500 000	-1 060	8 4167	505 00000	1 060	122.36	2.49E+00	2 68
510 000	-1 070	8 5833	515 00000	1 070	122.35	2.51E+00	2 70
520 000	-1 070	8 7500	525 00000	1 070	122.35	2.51E+00	2 70
530 000	-1 080	8 9167	535 00000	1 080	122.34	2.54E+00	2 73
540 000	-1 090	9 0833	545 00000	1 090	122.33	2.56E+00	2 75
550 000	-1 100	9 2500	555 00000	1 100	122.32	2.58E+00	2 77
560 000	-1 110	9 4167	565 00000	1 110	122.31	2.61E+00	2 80
570 000	-1 110	9 5833	575 00000	1 110	122.31	2.61E+00	2 80
580 000	-1 120	9 7500	585 00000	1 120	122.30	2.63E+00	2 82
590 000	-1 130	9 9167	595 00000	1 130	122.29	2.65E+00	2 84
600 000	-1 130	10 0833	605 00000	1 130	122.29	2.65E+00	2 84
610 000	-1 140	10 2500	615 00000	1 140	122.28	2.68E+00	2 87
620 000	-1 150	10 4167	625 00000	1 150	122.27	2.70E+00	2 89
630 000	-1 160	10 5833	635 00000	1 160	122.26	2.72E+00	2 92
640 000	-1 160	10 7500	645 00000	1 160	122.26	2.72E+00	2 92
650 000	-1 170	10 9167	655 00000	1 170	122.25	2.75E+00	2 94
660 000	-1 180	11 0833	665 00000	1 180	122.24	2.77E+00	2 96
670 000	-1 180	11 2500	675 00000	1 180	122.24	2.77E+00	2 96
680 000	-1 190	11 4167	685 00000	1 190	122.23	2.79E+00	2 99
690 000	-1 200	11 5833	695 00000	1 200	122.22	2.82E+00	3 01
700 000	-1 200	11 7500	705 00000	1 200	122.22	2.82E+00	3 01
710 000	-1 210	11 9167	715 00000	1 210	122.21	2.84E+00	3 03
720 000	-1 220	12.0833	725 00000	1 220	122.20	2.86E+00	3 06
730 000	-1 230	12.2500	735 00000	1 230	122.19	2.89E+00	3 08
740 000	-1 230	12.4167	745 00000	1 230	122.19	2.89E+00	3 08
750 000	-1 240	12.5833	755 00000	1 240	122.18	2.91E+00	3 10
760 000	-1 240	12.7500	765 00000	1 240	122.18	2.91E+00	3 10
770 000	-1 250	12.9167	775 00000	1 250	122.17	2.93E+00	3 13
780 000	-1 260	13 0833	785 00000	1 260	122.16	2.96E+00	3 15
790 000	-1 260	13 2500	795 00000	1 260	122.16	2.96E+00	3 15
800 000	-1 270	13 4167	805 00000	1 270	122.15	2.98E+00	3 17
810 000	-1 280	13 5833	815 00000	1 280	122.14	3 01E+00	3 20
820 000	-1 280	13 7500	825 00000	1 280	122.14	3 01E+00	3 20
830 000	-1 290	13 9167	835 00000	1 290	122.13	3 03E+00	3 22
840 000	-1 290	14 0833	845 00000	1 290	122.13	3 03E+00	3 22
850 000	-1 300	14 2500	855 00000	1 300	122.12	3 05E+00	3 24

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
860 000	-1 310	14 4167	865 00000	1 310	122.11	3 08E+00	3 27
870 000	-1 310	14 5833	875 00000	1 310	122.11	3 08E+00	3 27
880 000	-1 320	14 7500	885 00000	1 320	122.10	3 10E+00	3 29
890 000	-1 320	14 9167	895 00000	1 320	122.10	3 10E+00	3 29
900 000	-1 330	15 0833	905 00000	1 330	122.09	3 12E+00	3 31
910 000	-1 340	15 2500	915 00000	1 340	122.08	3 15E+00	3 34
920 000	-1 340	15 4167	925 00000	1 340	122.08	3 15E+00	3 34
930 000	-1 350	15 5833	935 00000	1 350	122.07	3 17E+00	3 36
940 000	-1 360	15 7500	945 00000	1 360	122.06	3 19E+00	3 38
950 000	-1 360	15 9167	955 00000	1 360	122.06	3 19E+00	3 38
960 000	-1 360	16.0833	965 00000	1 360	122.06	3 19E+00	3 38
970 000	-1 370	16 2500	975 00000	1 370	122.05	3 22E+00	3 41
980 000	-1 380	16.4167	985 00000	1 380	122.04	3 24E+00	3 43
990 000	-1 380	16 5833	995 00000	1 380	122.04	3 24E+00	3 43
1000 000	-1 390	16.7500	1005 00000	1 390	122.03	3 26E+00	3 45
1100 000	-1 450	18 4167	1105 00000	1 450	121.97	3 40E+00	3 60
1200 000	-1 510	20 0833	1205 00000	1 510	121.91	3 55E+00	3 74
1300 000	-1 560	21 7500	1305 00000	1 560	121.86	3 66E+00	3 85
1400 000	-1 610	23 4167	1405 00000	1 610	121.81	3 78E+00	3 97
1500 000	-1 660	25 0833	1505 00000	1 660	121.76	3 90E+00	4 09
1600 000	-1 710	26.7500	1605 00000	1 710	121.71	4 01E+00	4 21
1700 000	-1 760	28 4167	1705 00000	1 760	121.66	4 13E+00	4 32
1800 000	-1 810	30 0833	1805 00000	1 810	121.61	4 25E+00	4 44
1900 000	-1 860	31 7500	1905 00000	1 860	121.56	4 37E+00	4 56
2000 000	-1 910	33 4167	2005 00000	1 910	121.51	4 48E+00	4 68
2100 000	-1 960	35 0833	2105 00000	1 960	121.46	4 60E+00	4 79
2200 000	-2.010	36 7500	2205 00000	2.010	121.41	4 72E+00	4 91
2300 000	-2.050	38 4167	2305 00000	2.050	121.37	4 81E+00	5 00
2400 000	-2.100	40 0833	2405 00000	2.100	121.32	4 93E+00	5 12
2500 000	-2.150	41 7500	2505 00000	2.150	121.27	5 05E+00	5 24
2600 000	-2.190	43 4167	2605 00000	2.190	121.23	5 14E+00	5 33
2700 000	-2.240	45 0833	2705 00000	2.240	121.18	5 26E+00	5 45
2800 000	-2.280	46.7500	2805 00000	2.280	121.14	5 35E+00	5 54
2900 000	-2.320	48 4167	2905 00000	2.320	121.10	5 45E+00	5 64
3000 000	-2.370	50 0833	3005 00000	2.370	121.05	5 56E+00	5 76
3100 000	-2.410	51 7500	3105 00000	2.410	121.01	5 66E+00	5 85
3200 000	-2.460	53 4167	3205 00000	2.460	120.96	5 78E+00	5 97
3300 000	-2.490	55 0833	3305 00000	2.490	120.93	5 85E+00	6 04
3400 000	-2.540	56.7500	3405 00000	2.540	120.88	5 96E+00	6 15
3500 000	-2.590	58 4167	3505 00000	2.590	120.83	6 08E+00	6 27
3600 000	-2.630	60 0833	3605 00000	2.630	120.79	6 17E+00	6 37
3700 000	-2.670	61 7500	3705 00000	2.670	120.75	6 27E+00	6.46
3800 000	-2.720	63 4167	3805 00000	2.720	120.70	6.39E+00	6.58
3900 000	-2.750	65 0833	3905 00000	2.750	120.67	6 46E+00	6 65
4000 000	-2.800	66 7500	4005 00000	2.800	120.62	6 57E+00	6 77
4100 000	-2.840	68 4167	4105 00000	2.840	120.58	6.67E+00	6 86
4200 000	-2.880	70 0833	4205 00000	2.880	120.54	6 76E+00	6 95
4300 000	-2.920	71 7500	4305 00000	2.920	120.50	6 86E+00	7 05
4400 000	-2.960	73 4167	4405 00000	2.960	120.46	6 95E+00	7 14
4500 000	-3 000	75 0833	4505 00000	3 000	120.42	7 04E+00	7 23
4600 000	-3 040	76.7500	4605 00000	3 040	120.38	7 14E+00	7 33
4700 000	-3 080	78 4167	4705 00000	3 080	120.34	7 23E+00	7 42
4800 000	-3 120	80 0833	4805 00000	3 120	120.30	7 33E+00	7 52
4900 000	-3 160	81 7500	4905 00000	3 160	120.26	7 42E+00	7 61
5000 000	-3 210	83 4167	5005 00000	3 210	120.21	7 54E+00	7 73
5100 000	-3 240	85 0833	5105 00000	3 240	120.18	7 61E+00	7 80
5200 000	-3 270	86 7500	5205 00000	3 270	120.15	7 68E+00	7 87
5300 000	-3 310	88 4167	5305 00000	3 310	120.11	7 77E+00	7 96
5400 000	-3 340	90 0833	5405 00000	3 340	120.08	7 84E+00	8 03
5500 000	-3 380	91 7500	5505 00000	3 380	120.04	7 94E+00	8 13
5600 000	-3 410	93 4167	5605 00000	3 410	120.01	8 01E+00	8 20
5700 000	-3 440	95 0833	5705 00000	3 440	119.98	8 08E+00	8 27
5800 000	-3 470	96 7500	5805 00000	3 470	119.95	8 15E+00	8 34
5900 000	-3 500	98 4167	5905 00000	3 500	119.92	8 22E+00	8 41
6000 000	-3 530	100 0833	6005 00000	3 530	119.89	8 29E+00	8 48
6100 000	-3 570	101 7500	6105 00000	3 570	119.85	8 38E+00	8 57
6200 000	-3 600	103 4167	6205 00000	3 600	119.82	8 45E+00	8 64
6300 000	-3 630	105 0833	6305 00000	3 630	119.79	8 52E+00	8 71
6400 000	-3 660	106 7500	6405 00000	3 660	119.76	8 59E+00	8 78
6500 000	-3 690	108 4167	6505 00000	3 690	119.73	8 66E+00	8 85
6600 000	-3 720	110 0833	6605 00000	3 720	119.70	8 73E+00	8 93
6700 000	-3 750	111 7500	6705 00000	3 750	119.67	8 80E+00	9 00
6800 000	-3 780	113 4167	6805 00000	3 780	119.64	8 87E+00	9 07

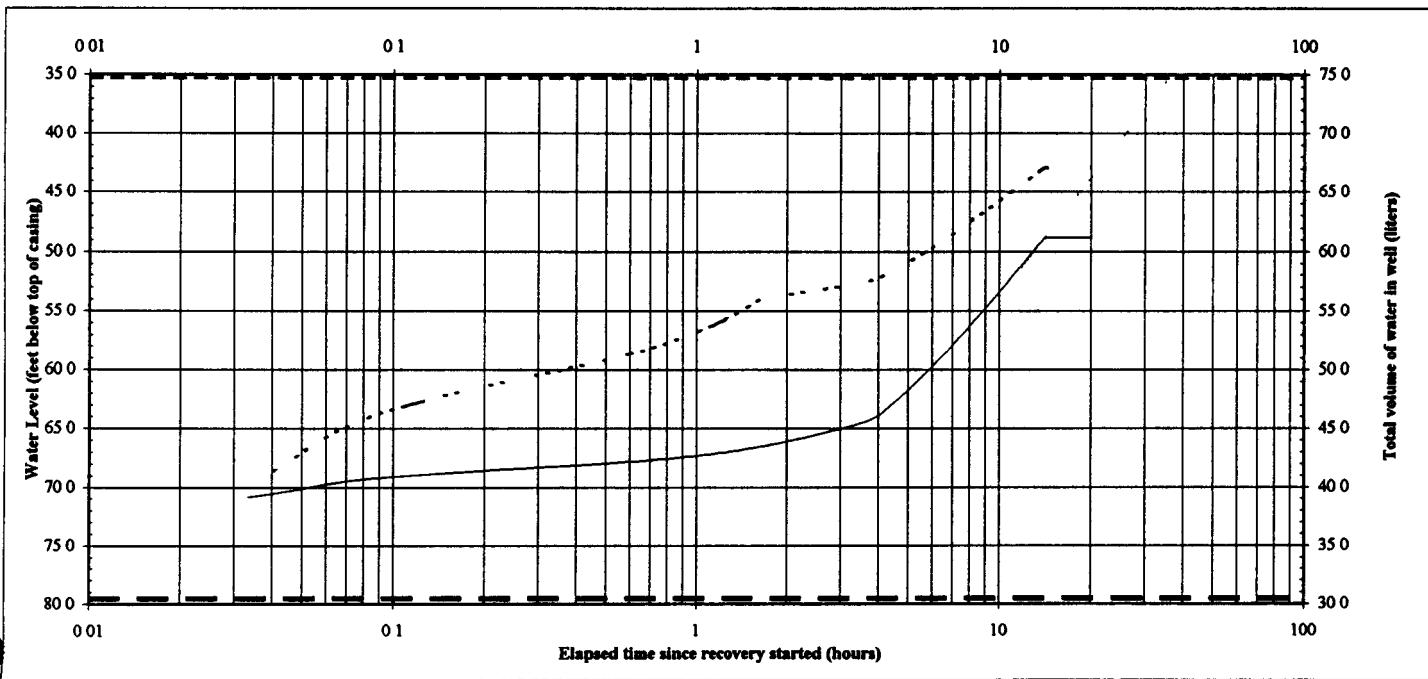
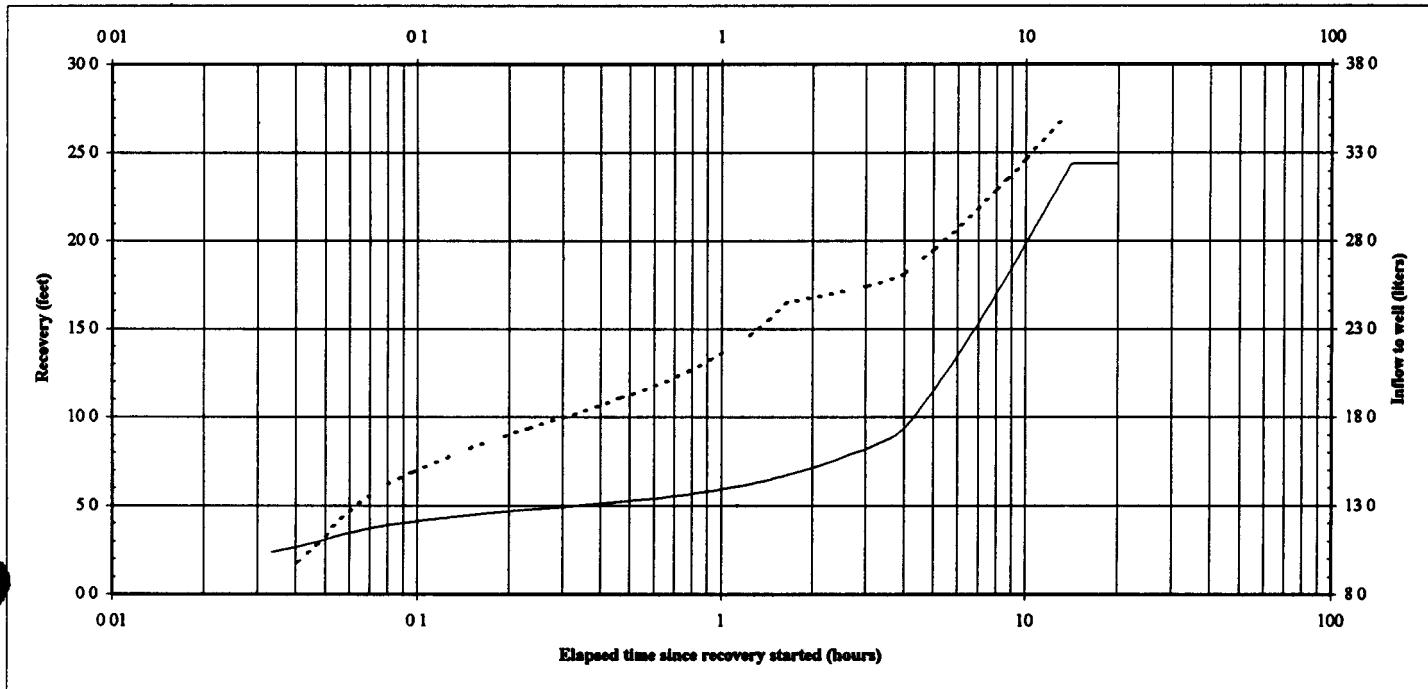
Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
6900 000	-3 810	115 0833	6905 00000	3 810	119 61	8 95E+00	9 14
7000 000	-3 840	116 7500	7005 00000	3 840	119 58	9 02E+00	9 21
7100 000	-3 870	118 4167	7105 00000	3 870	119 55	9 09E+00	9 28
7200 000	-3 890	120 0833	7205 00000	3 890	119 53	9 13E+00	9 32
7300 000	-3 920	121 7500	7305 00000	3 920	119 50	9 20E+00	9 39
7400 000	-3 940	123 4167	7405 00000	3 940	119 48	9 25E+00	9 44
7500 000	-3 980	125 0833	7505 00000	3 980	119 44	9 34E+00	9 54
7600 000	-4 010	126 7500	7605 00000	4 010	119 41	9 41E+00	9 61
7700 000	-4 040	128 4167	7705 00000	4 040	119 38	9 49E+00	9 68
7800 000	-4 070	130 0833	7805 00000	4 070	119 35	9 56E+00	9 75
7900 000	-4 090	131 7500	7905 00000	4 090	119 33	9 60E+00	9 79
8000 000	-4 120	133 4167	8005 00000	4 120	119 30	9 67E+00	9 86
8100 000	-4 150	135 0833	8105 00000	4 150	119 27	9 74E+00	9 93
8200 000	-4 170	136 7500	8205 00000	4 170	119 25	9 79E+00	9 98
8300 000	-4 200	138 4167	8305 00000	4 200	119 22	9 86E+00	10 05
8400 000	-4 220	140 0833	8405 00000	4 220	119 20	9 91E+00	10 10
8500 000	-4 250	141 7500	8505 00000	4 250	119 17	9 98E+00	10 17
8600 000	-4 270	143 4167	8605 00000	4 270	119 15	1 00E+01	10 22
8700 000	-4 290	145 0833	8705 00000	4 290	119 13	1 01E+01	10 26
8800 000	-4 310	146 7500	8805 00000	4 310	119 11	1 01E+01	10 31
8900 000	-4 320	148 4167	8905 00000	4 320	119 10	1 01E+01	10 33
9000 000	-4 340	150 0833	9005 00000	4 340	119 08	1 02E+01	10 38
9100 000	-4 360	151 7500	9105 00000	4 360	119 06	1 02E+01	10 43
9200 000	-4 380	153 4167	9205 00000	4 380	119 04	1 03E+01	10 47
9300 000	-4 400	155 0833	9305 00000	4 400	119 02	1 03E+01	10 52
9400 000	-4 410	156 7500	9405 00000	4 410	119 01	1 04E+01	10 55
9500 000	-4 430	158 4167	9505 00000	4 430	118 99	1 04E+01	10 59
9600 000	-4 450	160 0833	9605 00000	4 450	118 97	1 04E+01	10 64
9700 000	-4 460	161 7500	9705 00000	4 460	118 96	1 05E+01	10 66
9800 000	-4 470	163 4167	9805 00000	4 470	118 95	1 05E+01	10 69
9900 000	-4 490	165 0833	9905 00000	4 490	118 93	1 05E+01	10 73
10000 000	-4 500	166 7500	10005 00000	4 500	118 92	1 06E+01	10 76
10500 000	-4 560	175 0833	10505 00000	4 560	118 86	1 07E+01	10 90
11000 000	-4 620	183 4167	11005 00000	4 620	118 80	1 08E+01	11 04
11500 000	-4 680	191 7500	11505 00000	4 680	118 74	1 10E+01	11 18
12000 000	-4 740	200 0833	12005 00000	4 740	118 68	1 11E+01	11 32
12500 000	-4 800	208 4167	12505 00000	4 800	118 62	1 13E+01	11 46
13000 000	-4 860	216 7500	13005 00000	4 860	118 56	1 14E+01	11 60
13500 000	-4 920	225 0833	13505 00000	4 920	118 50	1 16E+01	11 74
14000 000	-4 980	233 4167	14005 00000	4 980	118 44	1 17E+01	11 88
14500 000	-5 030	241 7500	14505 00000	5 030	118 39	1 18E+01	12 00
15000 000	-5 090	250 0833	15005 00000	5 090	118 33	1 20E+01	12 14
15500 000	-5 150	258 4167	15505 00000	5 150	118 27	1 21E+01	12 28
16000 000	-5 210	266 7500	16005 00000	5 210	118 21	1 22E+01	12 42
16500 000	-5 270	275 0833	16505 00000	5 270	118 15	1 24E+01	12 56
17000 000	-5 330	283 4167	17005 00000	5 330	118 09	1 25E+01	12 71
17500 000	-5 380	291 7500	17505 00000	5 380	118 04	1 26E+01	12 82
18000 000	-5 440	300 0833	18005 00000	5 440	117 98	1 28E+01	12 96
18500 000	-5 500	308 4167	18505 00000	5 500	117 92	1 29E+01	13 10
19000 000	-5 560	316 7500	19005 00000	5 560	117 86	1 31E+01	13 25
19500 000	-5 620	325 0833	19505 00000	5 620	117 80	1 32E+01	13 39
20000 000	-5 680	333 4167	20005 00000	5 680	117 74	1 33E+01	13 53
20500 000	-5 740	341 7500	20505 00000	5 740	117 68	1 35E+01	13 67
21000 000	-5 810	350 0833	21005 00000	5 810	117 61	1 36E+01	13 83
21500 000	-5 870	358 4167	21505 00000	5 870	117 55	1 38E+01	13 97
22000 000	-5 920	366 7500	22005 00000	5 920	117 50	1 39E+01	14 09
22500 000	-5 980	375 0833	22505 00000	5 980	117 44	1 40E+01	14 23
23000 000	-6 030	383 4167	23005 00000	6 030	117 39	1 42E+01	14 35
23500 000	-6 080	391 7500	23505 00000	6 080	117 34	1 43E+01	14 47
24000 000	-6 140	400 0833	24005 00000	6 140	117 28	1 44E+01	14 61
24500 000	-6 190	408 4167	24505 00000	6 190	117 23	1 45E+01	14 72
25000 000	-6 240	416 7500	25005 00000	6 240	117 18	1 47E+01	14 84
25500 000	-6 300	425 0833	25505 00000	6 300	117 12	1 48E+01	14 98
26000 000	-6 350	433 4167	26005 00000	6 350	117 07	1 49E+01	15 10

Well No. 23193
Measured recovery after sampling

Date: 9-Aug-94
3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume
 Extrapolation



Well No.

23193

Date Sampled

3 rd quarter
9-Aug-94

Final bail time	10:04	Delay	2 00	Minutes
Set transducer time	10:07			
Static water level (pre-sampling)	73.3	feet below top of casing		
Final water level (post-recovery)	48.4	feet below top of casing		
Last recorded water level	73.4	feet below transducer		
Transducer Reference Depth	73.2	feet below top of casing		
Bottom of well	79.3	feet below top of casing		
First recorded water level	72.4	feet below transducer		
First recorded water level	70.8	feet below top of casing		
Water column remaining in casing after purging	8.7	feet		
Volume remaining in casing after purging	31.6	liters		
Well diameter	7.8	inches	0.646	feet
Well radius	3.9	inches	0.323	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.4	inches	0.203	feet
Top of sandpack	66.5	feet below top of casing	0.62 liters/foot 3.65 liters/foot	

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 033	-2 381	2.00000	2.381	70 84		40 33
0 003	0 0334	-2.381	2.00330	2.381	70 84	8 69E+00	40 33
0 007	0 0334	-2.387	2.00660	2.387	70 83	8 71E+00	40 35
0 010	0 0335	-2.387	2.01000	2.387	70 83	8 71E+00	40 35
0 013	0 0336	-2.387	2.01330	2.387	70 83	8 71E+00	40 35
0 017	0 0336	-2.394	2.01660	2.394	70 83	8 73E+00	40 37
0 020	0 0337	-2.397	2.02000	2.397	70 82	8 75E+00	40 38
0 023	0 0337	-2.397	2.02330	2.397	70 82	8 75E+00	40 38
0 027	0 0338	-2.400	2.02660	2.400	70 82	8 76E+00	40 39
0 030	0 0338	-2.403	2.03000	2.403	70 82	8 77E+00	40 41
0 033	0 0339	-2.403	2.03330	2.403	70 82	8 77E+00	40 41
0 037	0 0339	-2.406	2.03660	2.406	70 81	8 78E+00	40 42
0 040	0 0340	-2.406	2.04000	2.406	70 81	8 78E+00	40 42
0 043	0 0341	-2.413	2.04330	2.413	70 81	8 80E+00	40 44
0 047	0 0341	-2.413	2.04660	2.413	70 81	8 80E+00	40 44
0 050	0 0342	-2.416	2.05000	2.416	70 80	8 82E+00	40 45
0 053	0 0342	-2.419	2.05330	2.419	70 80	8 83E+00	40 46
0 057	0 0343	-2.422	2.05660	2.422	70 80	8 84E+00	40 47
0 060	0 0343	-2.422	2.06000	2.422	70 80	8 84E+00	40 47
0 063	0 0344	-2.428	2.06330	2.428	70 79	8 86E+00	40 50
0 067	0 0344	-2.432	2.06660	2.432	70 79	8 87E+00	40 51
0 070	0 0345	-2.432	2.07000	2.432	70 79	8 87E+00	40 51
0 073	0 0346	-2.435	2.07330	2.435	70 79	8 88E+00	40 52
0 077	0 0346	-2.438	2.07660	2.438	70 78	8 90E+00	40 53
0 080	0 0347	-2.438	2.08000	2.438	70 78	8 90E+00	40 53
0 083	0 0347	-2.441	2.08330	2.441	70 78	8 91E+00	40 54
0 087	0 0348	-2.444	2.08660	2.444	70 78	8 92E+00	40 56
0 090	0 0348	-2.447	2.09000	2.447	70 77	8 93E+00	40 57
0 093	0 0349	-2.447	2.09330	2.447	70 77	8 93E+00	40 57
0 097	0 0349	-2.451	2.09660	2.451	70 77	8 94E+00	40 58
0 100	0 0350	-2.451	2.10000	2.451	70 77	8 94E+00	40 58
0 103	0 0351	-2.457	2.10330	2.457	70 76	8 96E+00	40 60
0 107	0 0351	-2.457	2.10660	2.457	70 76	8 96E+00	40 60
0 110	0 0352	-2.460	2.11000	2.460	70 76	8 98E+00	40 61
0 113	0 0352	-2.460	2.11330	2.460	70 76	8 98E+00	40 61
0 117	0 0353	-2.466	2.11660	2.466	70 75	9 00E+00	40 64
0 120	0 0353	-2.466	2.12000	2.466	70 75	9 00E+00	40 64
0 123	0 0354	-2.470	2.12330	2.470	70 75	9 01E+00	40 65

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
0 127	-2.470	0 0354	2.12660	2.470	70 75		9 01E+00	40 65
0 130	-2.473	0 0355	2.13000	2.473	70 75		9 02E+00	40 66
0 133	-2.476	0 0356	2.13330	2.476	70 74		9 03E+00	40 67
0 137	-2.476	0 0356	2.13660	2.476	70 74		9 03E+00	40 67
0 140	-2.479	0 0357	2.14000	2.479	70 74		9 05E+00	40 68
0 143	-2.482	0 0357	2.14330	2.482	70 74		9 06E+00	40 69
0 147	-2.485	0 0358	2.14660	2.485	70 74		9 07E+00	40 70
0 150	-2.485	0 0358	2.15000	2.485	70 74		9 07E+00	40 70
0 153	-2.489	0 0359	2.15330	2.489	70 73		9 08E+00	40 72
0 157	-2.492	0 0359	2.15660	2.492	70 73		9 09E+00	40 73
0 160	-2.495	0 0360	2.16000	2.495	70 73		9 10E+00	40 74
0 163	-2.495	0 0361	2.16330	2.495	70 73		9 10E+00	40 74
0 167	-2.498	0 0361	2.16660	2.498	70 72		9 11E+00	40 75
0 170	-2.501	0 0362	2.17000	2.501	70 72		9 13E+00	40 76
0 173	-2.501	0 0362	2.17330	2.501	70 72		9 13E+00	40 76
0 177	-2.504	0 0363	2.17660	2.504	70 72		9 14E+00	40 77
0 180	-2.508	0 0363	2.18000	2.508	70 71		9 15E+00	40 79
0 183	-2.511	0 0364	2.18330	2.511	70 71		9 16E+00	40 80
0 187	-2.514	0 0364	2.18660	2.514	70 71		9 17E+00	40 81
0 190	-2.514	0 0365	2.19000	2.514	70 71		9 17E+00	40 81
0 193	-2.517	0 0366	2.19330	2.517	70 70		9 18E+00	40 82
0 197	-2.520	0 0366	2.19660	2.520	70 70		9 19E+00	40 83
0 200	-2.523	0 0367	2.20000	2.523	70 70		9 21E+00	40 84
0 203	-2.527	0 0367	2.20330	2.527	70 69		9 22E+00	40 86
0 207	-2.527	0 0368	2.20660	2.527	70 69		9 22E+00	40 86
0 210	-2.530	0 0368	2.21000	2.530	70 69		9 23E+00	40 87
0 213	-2.530	0 0369	2.21330	2.530	70 69		9 23E+00	40 87
0 217	-2.536	0 0369	2.21660	2.536	70 68		9 25E+00	40 89
0 220	-2.536	0 0370	2.22000	2.536	70 68		9 25E+00	40 89
0 223	-2.539	0 0371	2.22330	2.539	70 68		9 26E+00	40 90
0 227	-2.539	0 0371	2.22660	2.539	70 68		9 26E+00	40 90
0 230	-2.542	0 0372	2.23000	2.542	70 68		9 27E+00	40 91
0 233	-2.545	0 0372	2.23330	2.545	70 68		9 29E+00	40 92
0 237	-2.549	0 0373	2.23660	2.549	70 67		9 30E+00	40 94
0 240	-2.549	0 0373	2.24000	2.549	70 67		9 30E+00	40 94
0 243	-2.552	0 0374	2.24330	2.552	70 67		9 31E+00	40 95
0 247	-2.555	0 0374	2.24660	2.555	70 67		9 32E+00	40 96
0 250	-2.558	0 0375	2.25000	2.558	70 66		9 33E+00	40 97
0 253	-2.558	0 0376	2.25330	2.558	70 66		9 33E+00	40 97
0 257	-2.561	0 0376	2.25660	2.561	70 66		9 34E+00	40 98
0 260	-2.564	0 0377	2.26000	2.564	70 66		9 36E+00	40 99
0 263	-2.564	0 0377	2.26330	2.564	70 66		9 36E+00	40 99
0 267	-2.568	0 0378	2.26660	2.568	70 65		9 37E+00	41 01
0 270	-2.571	0 0378	2.27000	2.571	70 65		9 38E+00	41 02
0 273	-2.574	0 0379	2.27330	2.574	70 65		9 39E+00	41 03
0 277	-2.577	0 0379	2.27660	2.577	70 64		9 40E+00	41 04
0 280	-2.577	0 0380	2.28000	2.577	70 64		9 40E+00	41 04
0 283	-2.580	0 0381	2.28330	2.580	70 64		9 41E+00	41 05
0 287	-2.583	0 0381	2.28660	2.583	70 64		9 42E+00	41 06
0 290	-2.587	0 0382	2.29000	2.587	70 63		9 44E+00	41 08
0 293	-2.587	0 0382	2.29330	2.587	70 63		9 44E+00	41 08
0 297	-2.590	0 0383	2.29660	2.590	70 63		9 45E+00	41 09
0 300	-2.590	0 0383	2.30000	2.590	70 63		9 45E+00	41 09
0 303	-2.590	0 0384	2.30330	2.590	70 63		9 45E+00	41 09
0 307	-2.593	0 0384	2.30660	2.593	70 63		9 46E+00	41 10
0 310	-2.599	0 0385	2.31000	2.599	70 62		9 48E+00	41 12
0 313	-2.596	0 0386	2.31330	2.596	70 62		9 47E+00	41 11
0 317	-2.606	0 0386	2.31660	2.606	70 61		9 51E+00	41 15
0 320	-2.606	0 0387	2.32000	2.606	70 61		9 51E+00	41 15
0 323	-2.609	0 0387	2.32330	2.609	70 61		9 52E+00	41 16
0 327	-2.612	0 0388	2.32660	2.612	70 61		9 53E+00	41 17
0 330	-2.615	0 0388	2.33000	2.615	70 61		9 54E+00	41 18
0 333	-2.615	0 0389	2.33330	2.615	70 61		9 54E+00	41 18
0 350	-2.625	0 0392	2.35000	2.625	70 60		9 58E+00	41 22
0 367	-2.634	0 0394	2.36660	2.634	70 59		9 61E+00	41 25
0 383	-2.647	0 0397	2.38330	2.647	70 57		9 66E+00	41 30
0 400	-2.662	0 0400	2.40000	2.662	70 56		9 71E+00	41 35
0 417	-2.672	0 0403	2.41660	2.672	70 55		9 75E+00	41 39
0 433	-2.681	0 0406	2.43330	2.681	70 54		9 78E+00	41 42
0 450	-2.697	0 0408	2.45000	2.697	70 52		9 84E+00	41 48
0 467	-2.707	0 0411	2.46660	2.707	70 51		9 88E+00	41 51
0 483	-2.716	0 0414	2.48330	2.716	70 50		9 91E+00	41 55

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 500	-2.735	0 0417	2.50000	2.735	70 49	9 98E+00	41 62
0 517	-2.742	0 0419	2.51660	2.742	70 48	1 00E+01	41 64
0 533	-2.757	0 0422	2.53330	2.757	70 46	1 01E+01	41 70
0 550	-2.767	0 0425	2.55000	2.767	70 45	1 01E+01	41 73
0 567	-2.776	0 0428	2.56660	2.776	70 44	1 01E+01	41 77
0 583	-2.792	0 0431	2.58330	2.792	70 43	1 02E+01	41 82
0 600	-2.802	0 0433	2.60000	2.802	70 42	1 02E+01	41 86
0 617	-2.811	0 0436	2.61660	2.811	70 41	1 03E+01	41 89
0 633	-2.827	0 0439	2.63330	2.827	70 39	1 03E+01	41 95
0 650	-2.836	0 0442	2.65000	2.836	70 38	1 03E+01	41 99
0 667	-2.846	0 0444	2.66660	2.846	70 37	1 04E+01	42 02
0 683	-2.865	0 0447	2.68330	2.865	70 36	1 05E+01	42 09
0 700	-2.871	0 0450	2.70000	2.871	70 35	1 05E+01	42 11
0 717	-2.884	0 0453	2.71660	2.884	70 34	1 05E+01	42 16
0 733	-2.900	0 0456	2.73330	2.900	70 32	1 06E+01	42 22
0 750	-2.909	0 0458	2.75000	2.909	70 31	1 06E+01	42 25
0 767	-2.919	0 0461	2.76660	2.919	70 30	1 07E+01	42 29
0 783	-2.931	0 0464	2.78330	2.931	70 29	1 07E+01	42 33
0 800	-2.944	0 0467	2.80000	2.944	70 28	1 07E+01	42 38
0 817	-2.957	0 0469	2.81660	2.957	70 26	1 08E+01	42 43
0 833	-2.966	0 0472	2.83330	2.966	70 25	1 08E+01	42 46
0 850	-2.976	0 0475	2.85000	2.976	70 24	1 09E+01	42 50
0 867	-2.991	0 0478	2.86660	2.991	70 23	1 09E+01	42 55
0 883	-2.998	0 0481	2.88330	2.998	70 22	1 09E+01	42 58
0 900	-3 010	0 0483	2.90000	3 010	70 21	1 10E+01	42 62
0 917	-3 020	0 0486	2.91660	3 020	70 20	1 10E+01	42 66
0 933	-3 036	0 0489	2.93330	3 036	70 18	1 11E+01	42 72
0 950	-3 042	0 0492	2.95000	3 042	70 18	1 11E+01	42 74
0 967	-3 055	0 0494	2.96660	3 055	70 17	1 11E+01	42 78
0 983	-3 064	0 0497	2.98330	3 064	70 16	1 12E+01	42 82
1 000	-3 077	0 0500	3 00000	3 077	70 14	1 12E+01	42 86
1 200	-3 238	0 0533	3 20000	3 238	69 98	1 18E+01	43 45
1 400	-3 361	0 0567	3 40000	3 361	69 86	1 23E+01	43 90
1 600	-3 463	0 0600	3 60000	3 463	69 76	1 26E+01	44 27
1 800	-3 557	0 0633	3 80000	3 557	69 66	1 30E+01	44 62
2 000	-3 643	0 0667	4 00000	3 643	69 58	1 33E+01	44 93
2 200	-3 715	0 0700	4 20000	3 715	69 51	1 36E+01	45 19
2 400	-3 776	0 0733	4 40000	3 776	69 44	1 38E+01	45 42
2 600	-3 836	0 0767	4 60000	3 836	69 38	1 40E+01	45 63
2 800	-3 886	0 0800	4 80000	3 886	69 33	1 42E+01	45 82
3 000	-3 931	0 0833	5 00000	3 931	69 29	1 43E+01	45 98
3 200	-3 968	0 0867	5 20000	3 968	69 25	1 45E+01	46 12
3 400	-4 010	0 0900	5 40000	4 010	69 21	1 46E+01	46 27
3 600	-4 044	0 0933	5 60000	4 044	69 18	1 48E+01	46 39
3 800	-4 079	0 0967	5 80000	4 079	69 14	1 49E+01	46 52
4 000	-4 111	0 1000	6 00000	4 111	69 11	1 50E+01	46 64
4 200	-4 142	0 1033	6 20000	4 142	69 08	1 51E+01	46 75
4 400	-4 168	0 1067	6 40000	4 168	69 05	1 52E+01	46 85
4 600	-4 193	0 1100	6 60000	4 193	69 03	1 53E+01	46 94
4 800	-4 218	0 1133	6 80000	4 218	69 00	1 54E+01	47 03
5 000	-4 244	0 1167	7 00000	4 244	68 98	1 55E+01	47 12
5 200	-4 266	0 1200	7 20000	4 266	68 95	1 56E+01	47 20
5 400	-4 291	0 1233	7 40000	4 291	68 93	1 57E+01	47 29
5 600	-4 313	0 1267	7 60000	4 313	68 91	1 57E+01	47 37
5 800	-4 335	0 1300	7 80000	4 335	68 89	1 58E+01	47 45
6 000	-4 354	0 1333	8 00000	4 354	68 87	1 59E+01	47 52
6 200	-4 379	0 1367	8 20000	4 379	68 84	1 60E+01	47 62
6 400	-4 398	0 1400	8 40000	4 398	68 82	1 60E+01	47 68
6 600	-4 417	0 1433	8 60000	4 417	68 80	1 61E+01	47 75
6 800	-4 436	0 1467	8 80000	4 436	68 78	1 62E+01	47 82
7 000	-4 455	0 1500	9 00000	4 455	68 77	1 63E+01	47 89
7 200	-4 471	0 1533	9 20000	4 471	68 75	1 63E+01	47 95
7 400	-4 487	0 1567	9 40000	4 487	68 73	1 64E+01	48 01
7 600	-4 503	0 1600	9 60000	4 503	68 72	1 64E+01	48 07
7 800	-4 515	0 1633	9 80000	4 515	68 71	1 65E+01	48 11
8 000	-4 528	0 1667	10 00000	4 528	68 69	1 65E+01	48 16
8 200	-4 547	0 1700	10 20000	4 547	68 67	1 66E+01	48 23
8 400	-4 557	0 1733	10 40000	4 557	68 66	1 66E+01	48 26
8 600	-4 572	0 1767	10 60000	4 572	68 65	1 67E+01	48 32
8 800	-4 585	0 1800	10 80000	4 585	68 64	1 67E+01	48 37
9 000	-4 601	0 1833	11 00000	4 601	68 62	1 68E+01	48 43
9 200	-4 610	0 1867	11 20000	4 610	68 61	1 68E+01	48 46

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
9 400	-4 623	0 1900	0 1900	11 40000	4 623	68 60	1 69E+01	48 51
9 600	-4 636	0 1933	0 1933	11 60000	4 636	68 58	1 69E+01	48 55
9 800	-4 648	0 1967	0 1967	11 80000	4 648	68 57	1 70E+01	48 60
10 000	-4 661	0 2000	0 2000	12.00000	4 661	68 56	1 70E+01	48 64
12.000	-4 765	0 2333	0 2333	14.00000	4 765	68 46	1 74E+01	49 02
14 000	-4 854	0 2667	0 2667	16.00000	4 854	68 37	1 77E+01	49 35
16 000	-4 926	0 3000	0 3000	18.00000	4 926	68 29	1 80E+01	49 61
18 000	-4 993	0 3333	0 3333	20.00000	4 993	68 23	1 82E+01	49 86
20 000	-5 056	0 3667	0 3667	22.00000	5 056	68 16	1 84E+01	50 09
22.000	-5 116	0 4000	0 4000	24.00000	5 116	68 10	1 87E+01	50 30
24 000	-5 170	0 4333	0 4333	26.00000	5 170	68 05	1 89E+01	50 50
26 000	-5 227	0 4667	0 4667	28.00000	5 227	67 99	1 91E+01	50 71
28 000	-5 274	0 5000	0 5000	30.00000	5 274	67 95	1 92E+01	50 88
30 000	-5 322	0 5333	0 5333	32.00000	5 322	67 90	1 94E+01	51 06
32.000	-5 366	0 5667	0 5667	34.00000	5 366	67 85	1 96E+01	51 22
34 000	-5 410	0 6000	0 6000	36.00000	5 410	67 81	1 97E+01	51 38
36 000	-5 451	0 6333	0 6333	38.00000	5 451	67 77	1 99E+01	51 53
38 000	-5 492	0 6667	0 6667	40.00000	5 492	67 73	2.00E+01	51 68
40 000	-5 530	0 7000	0 7000	42.00000	5 530	67 69	2.02E+01	51 81
42.000	-5 578	0 7333	0 7333	44.00000	5 578	67 64	2.04E+01	51 99
44 000	-5 619	0 7667	0 7667	46.00000	5 619	67 60	2.05E+01	52 14
46.000	-5 663	0 8000	0 8000	48.00000	5 663	67 56	2.07E+01	52 30
48 000	-5 704	0 8333	0 8333	50.00000	5 704	67 52	2.08E+01	52 45
50 000	-5 745	0 8667	0 8667	52.00000	5 745	67 48	2.10E+01	52 60
52 000	-5 790	0 9000	0 9000	54.00000	5 790	67 43	2.11E+01	52 76
54 000	-5 831	0 9333	0 9333	56.00000	5 831	67 39	2.13E+01	52 91
56 000	-5 872	0 9667	0 9667	58.00000	5 872	67 35	2.14E+01	53 06
58 000	-5 913	1 0000	1 0000	60.00000	5 913	67 31	2.16E+01	53 21
60 000	-5 951	1 0333	1 0333	62.00000	5 951	67 27	2.17E+01	53 35
62 000	-5 989	1 0667	1 0667	64.00000	5 989	67 23	2.19E+01	53 49
64 000	-6 033	1 1000	1 1000	66.00000	6 033	67 19	2.20E+01	53 65
66 000	-6 071	1 1333	1 1333	68.00000	6 071	67 15	2.22E+01	53 79
68 000	-6 109	1 1667	1 1667	70.00000	6 109	67 11	2.23E+01	53 93
70 000	-6 150	1 2000	1 2000	72.00000	6 150	67 07	2.24E+01	54 08
72.000	-6 188	1 2333	1 2333	74.00000	6 188	67 03	2.26E+01	54 22
74 000	-6 226	1 2667	1 2667	76.00000	6 226	66 99	2.27E+01	54 35
76 000	-6 267	1 3000	1 3000	78.00000	6 267	66 95	2.29E+01	54 50
78 000	-6 305	1 3333	1 3333	80.00000	6.305	66 92	2.30E+01	54 64
80 000	-6 346	1 3667	1 3667	82.00000	6 346	66 87	2.32E+01	54 79
82.000	-6.387	1 4000	1 4000	84.00000	6.387	66 83	2.33E+01	54 94
84 000	-6 428	1 4333	1 4333	86.00000	6 428	66 79	2.35E+01	55 09
86 000	-6 469	1 4667	1 4667	88.00000	6 469	66 75	2.36E+01	55 24
88 000	-6 514	1 5000	1 5000	90.00000	6 514	66 71	2.38E+01	55 41
90 000	-6 561	1 5333	1 5333	92.00000	6 561	66 66	2.39E+01	55 58
92.000	-6 602	1 5667	1 5667	94.00000	6 602	66 62	2.41E+01	55 73
94 000	-6 646	1 6000	1 6000	96.00000	6 646	66 57	2.42E+01	55 89
96 000	-6 684	1 6333	1 6333	98.00000	6 684	66 54	2.44E+01	56 03
98 000	-6 725	1 6667	1 6667	100.00000	6.725	66 50	2.45E+01	56 16
100 000	-6 766	1 7000	1 7000	102.00000	6.766	66 45	2.45E+01	56 19
120 000	-7 158	2 0333	2 0333	122.00000	7 158	66 06	2.48E+01	56 43
140 000	-7 544	2 3667	2 3667	142.00000	7 544	65 68	2.50E+01	56 67
160 000	-7 914	2.7000	2.7000	162.00000	7 914	65 31	2.53E+01	56 89
180 000	-8 227	3 0333	3 0333	182.00000	8 227	64 99	2.55E+01	57 09
200 000	-8 552	3 3667	3 3667	202.00000	8 552	64 67	2.57E+01	57 29
220 000	-8 875	3 7000	3 7000	222.00000	8 875	64 35	2.59E+01	57 49
240 000	-9 368	4 0333	4 0333	242.00000	9 368	63 85	2.62E+01	57 79
260 000	-10 120	4 3667	4 3667	262.00000	10 120	63 10	2.66E+01	58 26
280 000	-10 850	4 7000	4 7000	282.00000	10 850	62 37	2.71E+01	58 71
300 000	-11 552	5 0333	5 0333	302.00000	11 552	61 67	2.75E+01	59 14
320 000	-12.234	5 3667	5 3667	322.00000	12.234	60 99	2.79E+01	59 56
340 000	-12.891	5 7000	5 7000	342.00000	12.891	60 33	2.83E+01	59 97
360 000	-13 536	6 0333	6 0333	362.00000	13 536	59 68	2.87E+01	60 37
380 000	-14 158	6 3667	6 3667	382.00000	14 158	59 06	2.91E+01	60 75
400 000	-14 758	6 7000	6 7000	402.00000	14 758	58 46	2.95E+01	61 12
420 000	-15 343	7 0333	7 0333	422.00000	15 343	57 88	2.98E+01	61 48
440 000	-15 908	7 3667	7 3667	442.00000	15 908	57 31	3.02E+01	61 83
460 000	-16 458	7 7000	7 7000	462.00000	16 458	56 76	3.05E+01	62 17
480 000	-16 992	8 0333	8 0333	482.00000	16 992	56 23	3.09E+01	62 50
500 000	-17 506	8 3667	8 3667	502.00000	17 506	55 71	3.12E+01	62 82
520 000	-18 005	8 7000	8 7000	522.00000	18 005	55 22	3.15E+01	63 13
540 000	-18 495	9 0333	9 0333	542.00000	18 495	54 73	3.18E+01	63 43
560 000	-18 969	9 3667	9 3667	562.00000	18 969	54 25	3.21E+01	63 72

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
580 000	-19 426	9 7000	582.00000	19 426	53 79	3 24E+01	64 01	
600 000	-19 878	10 0333	602.00000	19 878	53 34	3 26E+01	64 29	
620 000	-20 310	10 3667	622.00000	20 310	52.91	3 29E+01	64 55	
640 000	-20 731	10 7000	642.00000	20 731	52.49	3 32E+01	64 81	
660 000	-21 141	11 0333	662.00000	21 141	52.08	3 34E+01	65 07	
680 000	-21 545	11 3667	682.00000	21 545	51 68	3 37E+01	65 32	
700 000	-21 933	11 7000	702.00000	21 933	51 29	3 39E+01	65 56	
720 000	-22.309	12.0333	722.00000	22.309	50 91	3 42E+01	65 79	
740 000	-22.675	12.3667	742.00000	22.675	50 55	3 44E+01	66 01	
760 000	-23 035	12.7000	762.00000	23 035	50 19	3 46E+01	66 24	
780 000	-23 386	13 0333	782.00000	23 386	49 83	3 48E+01	66 45	
800 000	-23 726	13 3667	802.00000	23 726	49 49	3 50E+01	66 66	
820 000	-24 058	13 7000	822.00000	24 058	49 16	3 52E+01	66 87	
840 000	-24 380	14 0333	842.00000	24 380	48 84	3 54E+01	67 07	
860 000	-24 430	14 3667	862.00000	24 430	48 79	3 55E+01	67 10	
880 000	-24 430	14 7000	882.00000	24 430	48 79	3 55E+01	67 10	
900 000	-24 430	15 0333	902.00000	24 430	48 79	3 55E+01	67 10	
920 000	-24 430	15 3667	922.00000	24 430	48 79	3 55E+01	67 10	
940 000	-24 430	15 7000	942.00000	24 430	48 79	3 55E+01	67 10	
960 000	-24 430	16 0333	962.00000	24 430	48 79	3 55E+01	67 10	
980 000	-24 430	16.3667	982.00000	24 430	48 79	3 55E+01	67 10	
1000 000	-24 430	16.7000	1002.00000	24 430	48 79	3 55E+01	67 10	
1200 000	-24 430	20 0333	1202.00000	24 430	48 79	3 55E+01	67 10	

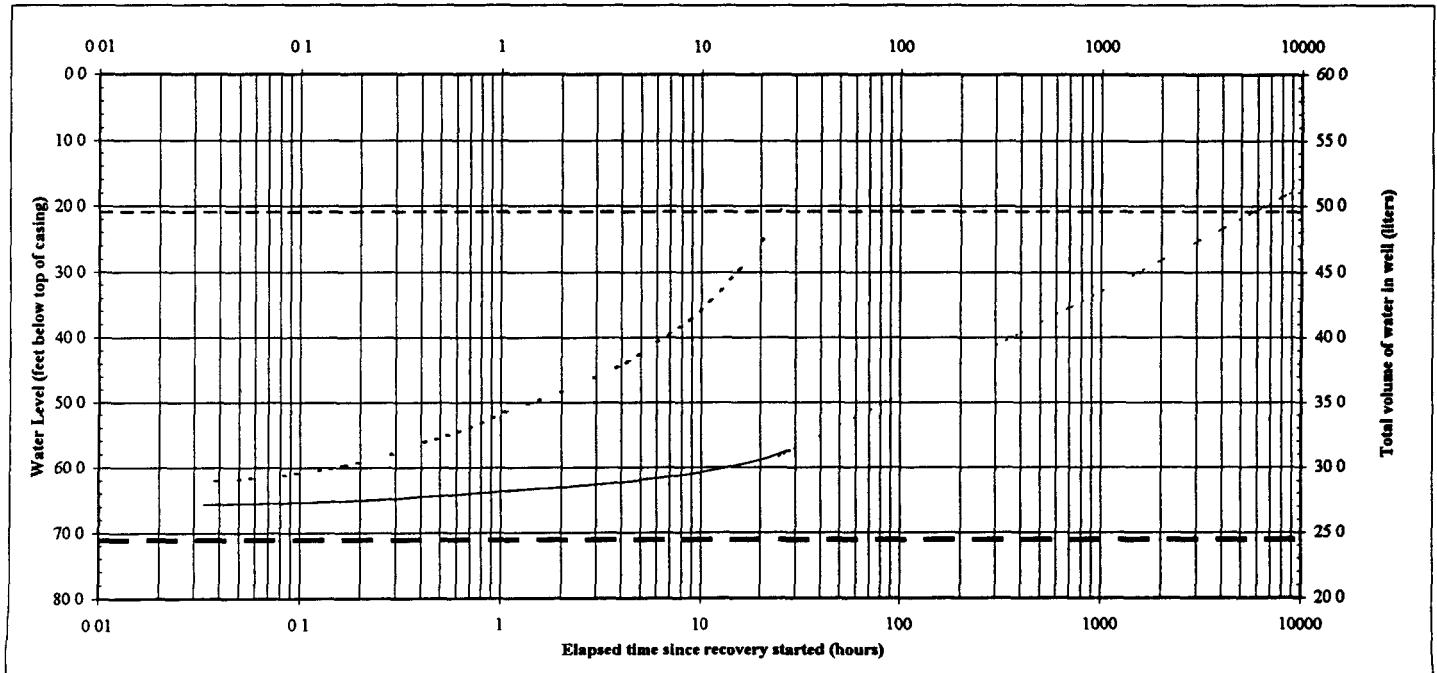
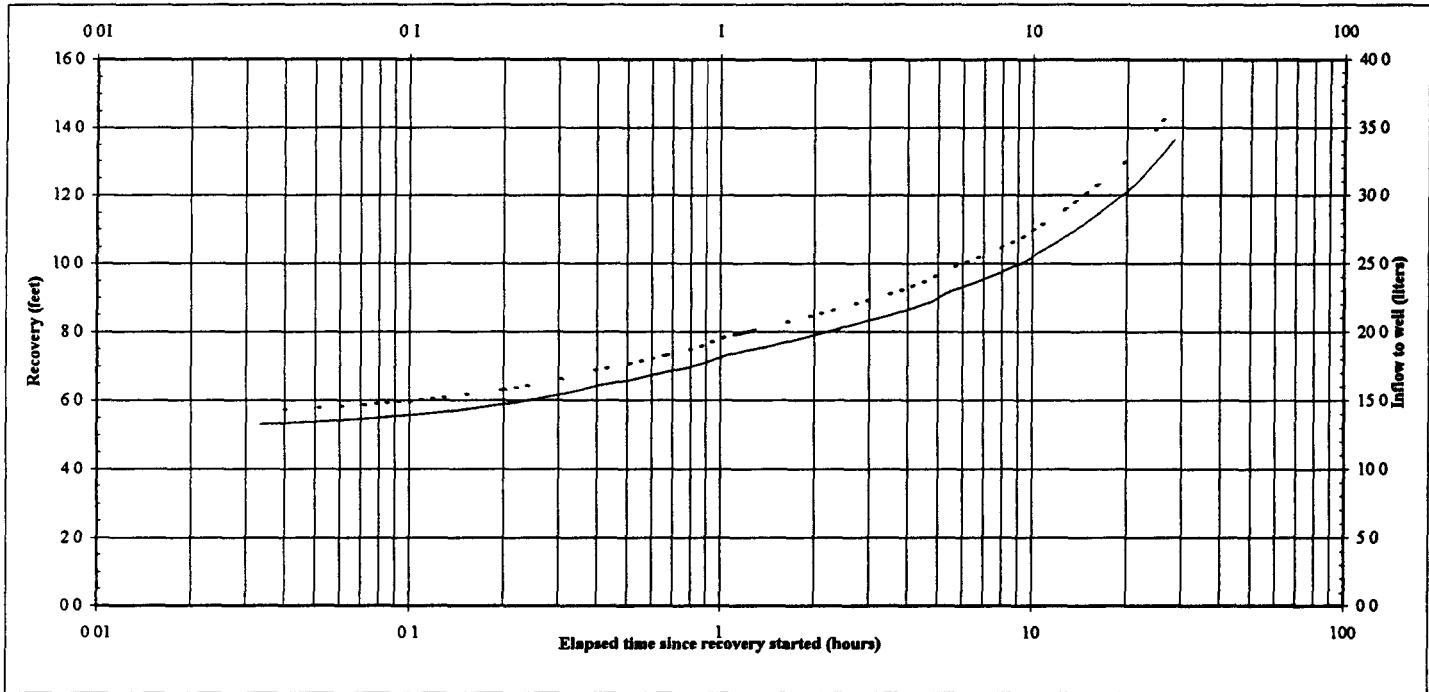
Well No. 70293

Measured recovery after sampling

Date: 22-Aug-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well
 Water Level
 Volume
 Extrapolation to 100% recovery



Well No.

70293

Date Sampled

3rd quarter

22-Aug-94

			Delay	2 00	Minutes
Final bail time	11:05				
Set transducer time	11:07				
Static water level (pre-sampling)	20.3	feet below top of casing			
Final water level (post-recovery)	57.5	feet below top of casing			
Last recorded water level	13.1	feet below transducer			
Transducer reference depth	71.0	feet below top of casing			
Bottom of well	71.1	feet below top of casing			
First recorded water level	65.6	feet below transducer			
First recorded water level	5.5	feet below top of casing			
Water column remaining in casing after purging	14.6	feet liters			
Volume remaining in casing after purging		inches	0 542	feet	
Well diameter	6.5	inches	0 271	feet	
Well radius	3.3	inches	0 167	feet	
Casing diameter	2.0	inches	0 083	feet	0.62 liters/foot
Casing radius	1.0	inches	0 174	feet	2.69 liters/foot
Effective well radius	2.1	inches			
Top of sandpack	50.1	feet below top of casing			

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-5 310	0 0333	2 00000	5 310	65 64	1 43E+01	28 90
0 003	-5 310	0 0334	2 00330	5 310	65 64	1 43E+01	28 90
0 007	-5 310	0 0334	2 00660	5 310	65 64	1 43E+01	28 90
0 010	-5 310	0 0335	2 00990	5 310	65 64	1 43E+01	28 90
0 013	-5 310	0 0336	2.01330	5 310	65 64	1 43E+01	28 90
0 017	-5 310	0 0336	2.01660	5 310	65 64	1 43E+01	28.90
0 020	-5 310	0 0337	2.02000	5 310	65 64	1 43E+01	28 90
0 023	-5 310	0 0337	2.02330	5 310	65 64	1 43E+01	28 90
0 027	-5 310	0 0338	2 02660	5 310	65 64	1 43E+01	28 90
0 030	-5 310	0 0338	2 03000	5 310	65 64	1 43E+01	28 90
0 033	-5 310	0 0339	2 03330	5 310	65 64	1 43E+01	28 90
0 050	-5 320	0 0342	2 05000	5 320	65 63	1 43E+01	28 93
0 067	-5 320	0 0344	2.06660	5 320	65 63	1 43E+01	28 93
0 083	-5 320	0 0347	2 08330	5 320	65 63	1 43E+01	28 93
0 100	-5 320	0 0350	2 10000	5 320	65 63	1 43E+01	28 93
0 117	-5 320	0 0353	2 11660	5 320	65 63	1 43E+01	28 93
0 133	-5 320	0 0356	2 13330	5 320	65 63	1 43E+01	28 93
0 150	-5 330	0 0358	2 15000	5 330	65 62	1 43E+01	28 95
0 167	-5 330	0 0361	2 16660	5 330	65 62	1 43E+01	28 95
0 183	-5 330	0 0364	2 18330	5 330	65 62	1 43E+01	28 95
0 200	-5 330	0 0367	2 20000	5 330	65 62	1 43E+01	28 95
0 217	-5 330	0 0369	2 21660	5 330	65 62	1 43E+01	28 95
0 233	-5 330	0 0372	2 23330	5 330	65 62	1 43E+01	28 95
0 250	-5 330	0 0375	2 25000	5 330	65 62	1 43E+01	28 95
0 267	-5 330	0 0378	2 26660	5 330	65 62	1 43E+01	28 95
0 283	-5 330	0 0381	2 28330	5 330	65 62	1 43E+01	28 95
0 300	-5 340	0 0383	2 30000	5 340	65 61	1 43E+01	28 98
0 317	-5 340	0 0386	2 31660	5 340	65 61	1 43E+01	28 98
0 333	-5 340	0 0389	2 33330	5 340	65 61	1 43E+01	28 98
0 417	-5 340	0 0403	2 41670	5 340	65 61	1 43E+01	28 98
0 500	-5 350	0 0417	2 50000	5 350	65 60	1 44E+01	29 01
0 583	-5 360	0 0431	2.58330	5 360	65 59	1 44E+01	29 03
0 667	-5 360	0 0444	2 66670	5 360	65 59	1 44E+01	29 03
0 750	-5 370	0 0458	2 75000	5 370	65 58	1 44E+01	29 06
0 833	-5 370	0 0472	2 83330	5 370	65 58	1 44E+01	29 06
0 917	-5 380	0 0486	2 91670	5 380	65 57	1 44E+01	29 09
1 000	-5 380	0 0500	3 00000	5 380	65 57	1 44E+01	29 09
1 083	-5 390	0 0514	3 08330	5 390	65 56	1 45E+01	29 11
1 167	-5 400	0 0528	3 16670	5 400	65 55	1 45E+01	29 14

Input data		Transducer (minutes)	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
1 250		-5 400	0 0542	3 25000	5 400	65 55	1 45E+01	29 14		
1 333		-5 410	0 0556	3 33330	5 410	65 54	1 45E+01	29 17		
1 417		-5 410	0 0569	3 41660	5 410	65 54	1 45E+01	29 17		
1 500		-5 420	0 0583	3 50000	5 420	65 53	1 46E+01	29 19		
1 583		-5 430	0 0597	3 58330	5 430	65 52	1 46E+01	29 22		
1 667		-5 430	0 0611	3 66670	5 430	65 52	1 46E+01	29 22		
1 750		-5 440	0 0625	3 75000	5 440	65 51	1 46E+01	29 25		
1 833		-5 440	0 0639	3 83330	5 440	65 51	1 46E+01	29 25		
1 917		-5 450	0 0653	3 91670	5 450	65 50	1 46E+01	29 27		
2 000		-5 450	0 0667	4 00000	5 450	65 50	1 46E+01	29 27		
2 500		-5 480	0 0750	4 50000	5 480	65 47	1 47E+01	29 35		
3 000		-5 510	0 0833	5 00000	5 510	65 44	1 48E+01	29 44		
3 500		-5 550	0 0917	5 50000	5 550	65 40	1 49E+01	29 54		
4 000		-5 570	0 1000	6 00000	5 570	65 38	1 50E+01	29 60		
4 500		-5 600	0 1083	6 50000	5 600	65 35	1 50E+01	29 68		
5 000		-5 630	0 1167	7 00000	5 630	65 32	1 51E+01	29 76		
5 500		-5 650	0 1250	7 50000	5 650	65 30	1 52E+01	29 81		
6 000		-5 680	0 1333	8 00000	5 680	65 27	1 53E+01	29 89		
6 500		-5 710	0 1417	8 50000	5 710	65 24	1 53E+01	29 97		
7 000		-5 740	0 1500	9 00000	5 740	65 21	1 54E+01	30 05		
7 500		-5 760	0 1583	9 50000	5 760	65 19	1 55E+01	30 11		
8 000		-5 790	0 1667	10 00000	5 790	65 16	1 56E+01	30 19		
8 500		-5 810	0 1750	10 50000	5 810	65 14	1 56E+01	30 24		
9 000		-5 840	0 1833	11 00000	5 840	65 11	1 57E+01	30 32		
9 500		-5 860	0 1917	11 50000	5 860	65 09	1 57E+01	30 38		
10 000		-5 880	0 2000	12 00000	5 880	65 07	1 58E+01	30 43		
12 000		-5 970	0 2333	14 00000	5 970	64 98	1 60E+01	30 67		
14 000		-6 060	0 2667	16 00000	6 060	64 89	1 63E+01	30 91		
16 000		-6 150	0 3000	18 00000	6 150	64 80	1 65E+01	31 15		
18 000		-6 250	0 3333	20 00000	6 250	64 70	1 68E+01	31 42		
20 000		-6 340	0 3667	22 00000	6 340	64 61	1 70E+01	31 66		
22 000		-6 420	0 4000	24 00000	6 420	64 53	1 72E+01	31 88		
24 000		-6 480	0 4333	26 00000	6 480	64 47	1 74E+01	32 04		
26 000		-6 530	0 4667	28 00000	6 530	64 42	1 75E+01	32 17		
28 000		-6 580	0 5000	30 00000	6 580	64 37	1 77E+01	32 31		
30 000		-6 630	0 5333	32 00000	6 630	64 32	1 78E+01	32 44		
32 000		-6 680	0 5667	34 00000	6 680	64 27	1 79E+01	32 58		
34 000		-6 730	0 6000	36 00000	6 730	64 22	1 81E+01	32 71		
36 000		-6 780	0 6333	38 00000	6 780	64 17	1 82E+01	32 85		
38 000		-6 820	0 6667	40 00000	6 820	64 13	1 83E+01	32 95		
40 000		-6 860	0 7000	42 00000	6 860	64 09	1 84E+01	33 06		
42 000		-6 900	0 7333	44 00000	6 900	64 05	1 85E+01	33 17		
44 000		-6 940	0 7667	46 00000	6 940	64 01	1 86E+01	33 28		
46 000		-6 980	0 8000	48 00000	6 980	63 97	1 87E+01	33 38		
48 000		-7 020	0 8333	50 00000	7 020	63 93	1 89E+01	33 49		
50 000		-7 060	0 8667	52 00000	7 060	63 89	1 90E+01	33 60		
52 000		-7 110	0 9000	54 00000	7 110	63 84	1 91E+01	33 73		
54 000		-7 160	0 9333	56 00000	7 160	63 79	1 92E+01	33 87		
56 000		-7 210	0 9667	58 00000	7 210	63 74	1 94E+01	34 00		
58 000		-7 250	1 0000	60 00000	7 250	63 70	1 95E+01	34 11		
60 000		-7 300	1 0333	62 00000	7 300	63 65	1 96E+01	34 24		
62 000		-7 330	1 0667	64 00000	7 330	63 62	1 97E+01	34 32		
64 000		-7 360	1 1000	66 00000	7 360	63 59	1 98E+01	34 40		
66 000		-7 390	1 1333	68 00000	7 390	63 56	1 98E+01	34 48		
68 000		-7 410	1 1667	70 00000	7 410	63 54	1 99E+01	34 54		
70 000		-7 440	1 2000	72 00000	7 440	63 51	2 00E+01	34 62		
72 000		-7 460	1 2333	74 00000	7 460	63 49	2 00E+01	34 67		
74 000		-7 480	1 2667	76 00000	7 480	63 47	2 01E+01	34 73		
76 000		-7 500	1 3000	78 00000	7 500	63 45	2 01E+01	34 78		
78 000		-7 530	1 3333	80 00000	7 530	63 42	2 02E+01	34 86		
80 000		-7 540	1 3667	82 00000	7 540	63 41	2 03E+01	34 89		
82 000		-7 560	1 4000	84 00000	7 560	63 39	2 03E+01	34 94		
84 000		-7 590	1 4333	86 00000	7 590	63 36	2 04E+01	35 02		
86 000		-7 600	1 4667	88 00000	7 600	63 35	2 04E+01	35 05		
88 000		-7 620	1 5000	90 00000	7 620	63 33	2 05E+01	35 10		
90 000		-7 650	1 5333	92 00000	7 650	63 30	2 05E+01	35 18		
92 000		-7 660	1 5667	94 00000	7 660	63 29	2 06E+01	35 21		
94 000		-7 680	1 6000	96 00000	7 680	63 27	2 06E+01	35 26		
96 000		7 700	1 6333	98 00000	7 700	63 25	2 07E+01	35 32		
98 000		-7 720	1 6667	100 00000	7 720	63 23	2 07E+01	35 37		
100 000		-7 740	1 7000	102 00000	7 740	63 21	2 08E+01	35 42		
110 000		-7 830	1 8667	112 00000	7 830	63 12	2 10E+01	35 67		
120 000		-7 920	2 0333	122 00000	7 920	63 03	2 13E+01	35 91		

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (liters)	Volume of water in well (liters)
130 000	-8 000	2.2000	132 00000	8 000	62.95	36.12
140 000	-8 070	2.3667	142 00000	8 070	62.88	36.31
150 000	-8 150	2.5333	152 00000	8 150	62.80	36.53
160 000	-8 210	2 7000	162 00000	8 210	62.74	36.69
170 000	-8 280	2.8667	172 00000	8 280	62.67	36.87
180 000	-8 330	3 0333	182 00000	8 330	62.62	37.01
190 000	-8 390	3 2000	192 00000	8 390	62.56	37.17
200 000	-8 450	3 3667	202 00000	8 450	62.50	37.33
210 000	-8 500	3 5333	212 00000	8 500	62.45	37.47
220 000	-8 560	3 7000	222 00000	8 560	62.39	37.63
230 000	-8 610	3 8667	232 00000	8 610	62.34	37.76
240 000	-8 670	4 0333	242 00000	8 670	62.28	37.92
250 000	-8 720	4 2000	252 00000	8 720	62.23	38.06
260 000	-8 770	4 3667	262 00000	8 770	62.18	38.19
270 000	-8 820	4 5333	272 00000	8 820	62.13	38.32
280 000	-8 870	4 7000	282 00000	8 870	62.08	38.46
290 000	-8 940	4 8667	292 00000	8 940	62.01	38.65
300 000	-9 020	5 0333	302 00000	9 020	61.93	38.86
310 000	-9 100	5 2000	312 00000	9 100	61.85	39.08
320 000	-9 160	5 3667	322 00000	9 160	61.79	39.24
330 000	-9 210	5 5333	332 00000	9 210	61.74	39.37
340 000	-9 250	5 7000	342 00000	9 250	61.70	39.48
350 000	-9 290	5 8667	352 00000	9 290	61.66	39.59
360 000	-9 330	6 0333	362 00000	9 330	61.62	39.69
370 000	-9 370	6 2000	372 00000	9 370	61.58	39.80
380 000	-9 410	6 3667	382 00000	9 410	61.54	39.91
390 000	-9 440	6 5333	392 00000	9 440	61.51	39.99
400 000	-9 480	6 7000	402 00000	9 480	61.47	40.10
410 000	-9 520	6 8667	412 00000	9 520	61.43	40.20
420 000	-9 550	7 0333	422 00000	9 550	61.40	40.29
430 000	-9 590	7 2000	432 00000	9 590	61.36	40.39
440 000	-9 630	7 3667	442 00000	9 630	61.32	40.50
450 000	-9 660	7 5333	452 00000	9 660	61.29	40.58
460 000	-9 700	7 7000	462 00000	9 700	61.25	40.69
470 000	-9 740	7 8667	472 00000	9 740	61.21	40.80
480 000	-9 770	8 0333	482 00000	9 770	61.18	40.88
490 000	-9 810	8 2000	492 00000	9 810	61.14	40.98
500 000	-9 840	8 3667	502 00000	9 840	61.11	41.06
510 000	-9 880	8 5333	512 00000	9 880	61.07	41.17
520 000	-9 910	8 7000	522 00000	9 910	61.04	41.25
530 000	-9 950	8 8667	532 00000	9 950	61.00	41.36
540 000	-9 980	9 0333	542 00000	9 980	60.97	41.44
550 000	-10 010	9 2000	552 00000	10 010	60.94	41.52
560 000	-10 050	9 3667	562 00000	10 050	60.90	41.63
570 000	-10 080	9 5333	572 00000	10 080	60.87	41.71
580 000	-10 120	9 7000	582 00000	10 120	60.83	41.82
590 000	-10 160	9 8667	592 00000	10 160	60.79	41.92
600 000	-10 210	10 0333	602 00000	10 210	60.74	42.06
610 000	-10 260	10 2000	612 00000	10 260	60.69	42.19
620 000	-10 310	10 3667	622 00000	10 310	60.64	42.33
630 000	-10 350	10 5333	632 00000	10 350	60.60	42.43
640 000	-10 390	10 7000	642 00000	10 390	60.56	42.54
650 000	-10 420	10 8667	652 00000	10 420	60.53	42.62
660 000	-10 450	11 0333	662 00000	10 450	60.50	42.70
670 000	-10 490	11 2000	672 00000	10 490	60.46	42.81
680 000	10 520	11 3667	682 00000	10 520	60.43	42.89
690 000	-10 550	11 5333	692 00000	10 550	60.40	42.97
700 000	-10 590	11 7000	702 00000	10 590	60.36	43.08
710 000	-10 620	11 8667	712 00000	10 620	60.33	43.16
720 000	-10 650	12 0333	722 00000	10 650	60.30	43.24
730 000	-10 690	12 2000	732 00000	10 690	60.26	43.35
740 000	-10 720	12 3667	742 00000	10 720	60.23	43.43
750 000	-10 750	12 5333	752 00000	10 750	60.20	43.51
760 000	-10 780	12 7000	762 00000	10 780	60.17	43.59
770 000	-10 820	12 8667	772 00000	10 820	60.13	43.70
780 000	-10 850	13 0333	782 00000	10 850	60.10	43.78
790 000	-10 890	13 2000	792 00000	10 890	60.06	43.88
800 000	-10 930	13 3667	802 00000	10 930	60.02	43.99
810 000	-10 960	13 5333	812 00000	10 960	59.99	44.07
820 000	-11 000	13 7000	822 00000	11 000	59.95	44.18
830 000	-11 030	13 8667	832 00000	11 030	59.92	44.26
840 000	-11 070	14 0333	842 00000	11 070	59.88	44.37
850 000	-11 100	14 2000	852 00000	11 100	59.85	44.45

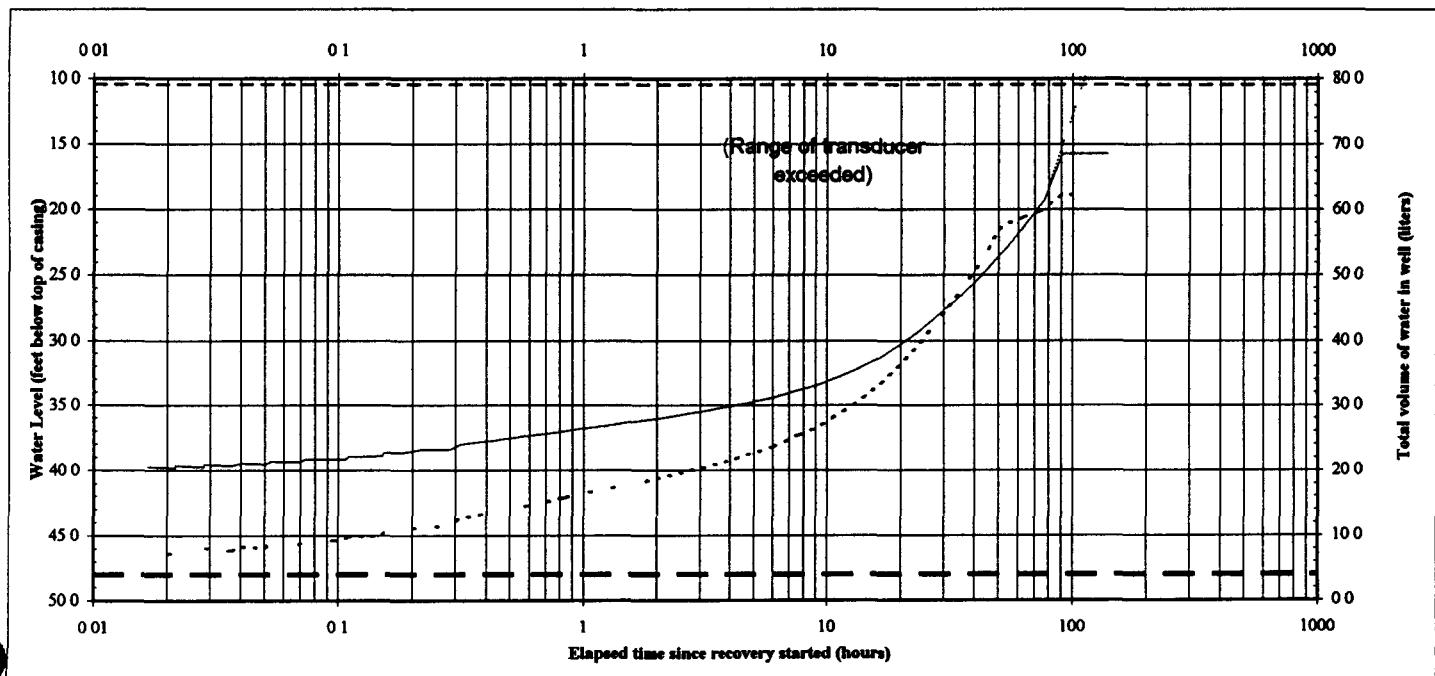
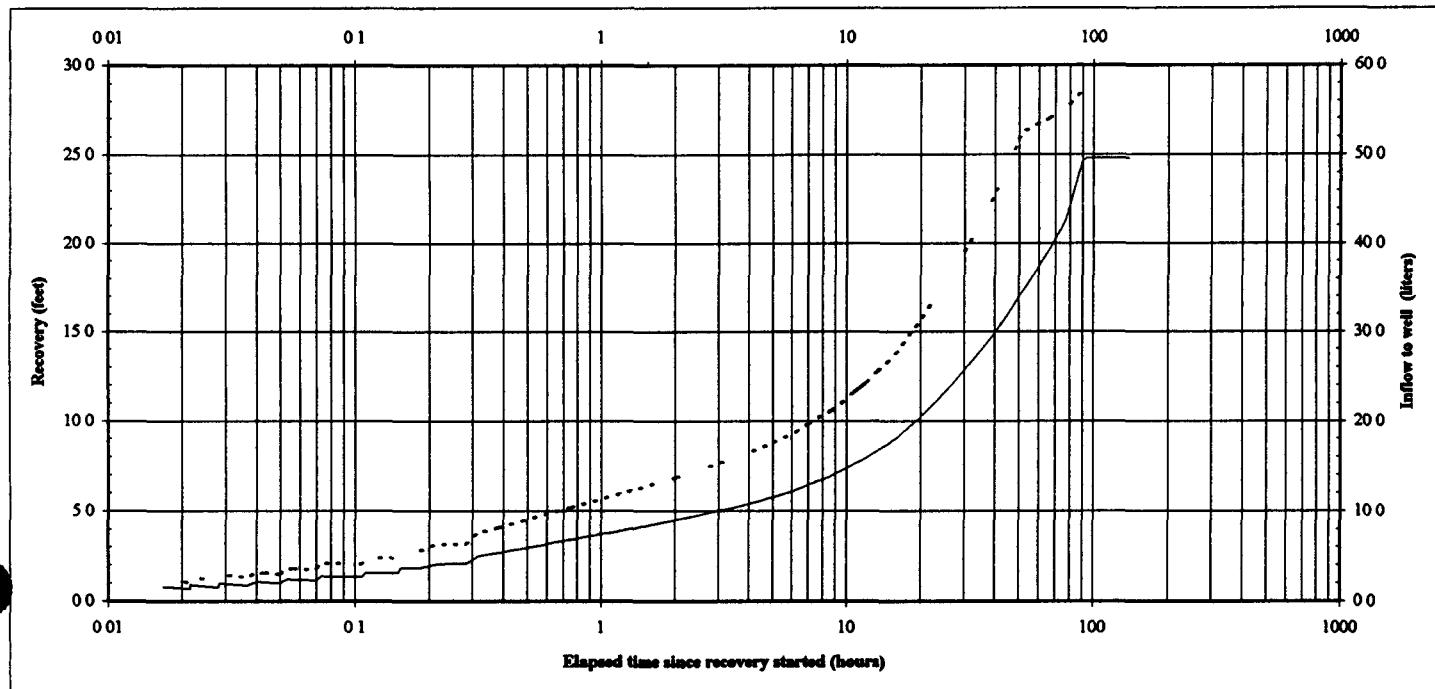
Input data						Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	Inflow	water in well
	(minutes)	(feet)	(hours)	final bail (minutes)	(Feet of water)	(liters)	(liters)
860 000	-11 130	14 3667	862 00000	11 130	59 82	2.99E+01	44 53
870 000	-11 160	14 5333	872 00000	11 160	59 79	3 00E+01	44 61
880 000	-11 200	14 7000	882.00000	11 200	59 75	3 01E+01	44 72
890 000	-11 230	14 8667	892 00000	11 230	59 72	3 02E+01	44 80
900 000	-11 260	15 0333	902 00000	11 260	59 69	3 02E+01	44 88
910 000	-11 290	15 2000	912.00000	11 290	59 66	3 03E+01	44 96
920 000	-11 320	15 3667	922.00000	11 320	59 63	3 04E+01	45 04
930 000	-11 350	15 5333	932.00000	11 350	59 60	3 05E+01	45 12
940 000	-11 380	15 7000	942 00000	11 380	59 57	3 06E+01	45 20
950 000	-11 410	15 8667	952 00000	11 410	59 54	3 06E+01	45 28
960 000	-11 440	16 0333	962.00000	11 440	59 51	3 07E+01	45 36
970 000	-11 470	16 2000	972.00000	11 470	59 48	3 08E+01	45 44
980 000	-11 500	16 3667	982 00000	11 500	59 45	3 09E+01	45 52
990 000	-11 530	16 5333	992 00000	11 530	59 42	3 10E+01	45 60
1000 000	-11 560	16 7000	1002 00000	11 560	59 39	3 10E+01	45 68
1100 000	-11 850	18 3667	1102.00000	11 850	59 10	3 18E+01	46 46
1200 000	-12 120	20 0333	1202.00000	12 120	58 83	3 26E+01	47 19
1300 000	-12 400	21 7000	1302 00000	12 400	58 55	3 33E+01	47 94
1400 000	-12 730	23 3667	1402.00000	12 730	58 22	3 42E+01	48 83
1500 000	-13 050	25 0333	1502 00000	13 050	57 90	3 50E+01	49 69
1600 000	-13 340	26 7000	1602 00000	13 340	57 61	3 58E+01	50 46
1700 000	-13 650	28 3667	1702.00000	13 650	57 30	3 67E+01	51 30

Well No. 70493
Measured recovery after sampling

Date: 7-Jun-94
2nd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume
Extrapolation to 100% recovery



Well No.

70493

Date Sampled

2nd quarter
June 24

Final bail time	12:14	Delay	1 00	Minutes
Set transducer time	12:15			
Static Water Level (pre-sampling)	40.4	feet below top of casing		
Final water level (post-sampling)	39.7	feet below top of casing		
Last recorded water level	40.3	feet below transducer		
Transducer Reference Depth	40.5	feet below top of casing		
Bottom of well	45.0	feet below top of casing		
First recorded water level	41.8	feet below transducer		
First recorded water level	39.7	feet below top of casing		
Water column remaining in casing after purging	8.2	feet		
Volume remaining in casing after purging	51	liters		
Well Diameter	7.5	inches	0.583	feet
Well Radius	3.5	inches	0.292	feet
Casing Diameter	7.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	23.3	feet below top of casing		
			0.62 liter/foot	
			3.05 liter/foot	

Input	data	Transducer Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
(minutes)	△ head	(minutes)	(hours)	final bail (minutes)	(Feet of water)	(ftbc)	Inflow	water in well
	(feet)						(Liters)	(Liters)
0 000	-0.786	0 0167	1 00000	0 786	39.72		2.40E+00	7.49
0 003	-0.786	0 0167	1 00330	0 786	39.72		2.39E+00	7.49
0 007	-0.783	0 0168	1 00660	0 783	39.72		2.38E+00	7.47
0 010	-0.779	0 0168	1 01000	0 779	39.73		2.37E+00	7.46
0 013	-0.776	0 0169	1 01330	0 776	39.73		2.37E+00	7.46
0 017	-0.776	0 0169	1 01660	0 776	39.73		2.36E+00	7.45
0 020	-0.773	0 0170	1 02000	0 773	39.73		2.35E+00	7.45
0 023	-0.770	0 0171	1 02330	0 770	39.74		2.34E+00	7.44
0 027	-0.767	0 0171	1 02660	0 767	39.74		2.34E+00	7.44
0 030	-0.767	0 0172	1 03000	0 767	39.74		2.34E+00	7.44
0 033	-0.764	0 0172	1 03330	0 764	39.74		2.33E+00	7.43
0 037	-0.764	0 0173	1 03660	0 764	39.74		2.33E+00	7.43
0 040	-0.764	0 0173	1 04000	0 764	39.74		2.33E+00	7.43
0 043	-0.760	0 0174	1 04330	0 760	39.75		2.32E+00	7.42
0 047	-0.760	0 0174	1 04660	0 760	39.75		2.32E+00	7.42
0 050	-0.760	0 0175	1 05000	0 760	39.75		2.32E+00	7.42
0 053	-0.757	0 0176	1 05330	0 757	39.75		2.31E+00	7.41
0 057	-0.757	0 0176	1 05660	0 757	39.75		2.31E+00	7.41
0 060	-0.757	0 0177	1 06000	0 757	39.75		2.31E+00	7.41
0 063	-0.757	0 0177	1 06330	0 757	39.75		2.31E+00	7.41
0 067	-0.757	0 0178	1 06660	0 757	39.75		2.31E+00	7.41
0 070	-0.757	0 0178	1 07000	0 757	39.75		2.31E+00	7.41
0 073	-0.754	0 0179	1 07330	0 754	39.75		2.30E+00	7.40
0 077	-0.754	0 0179	1 07660	0 754	39.75		2.30E+00	7.40
0 080	-0.751	0 0180	1 08000	0 751	39.76		2.29E+00	7.39
0 083	-0.751	0 0181	1 08330	0 751	39.76		2.29E+00	7.39
0 087	-0.751	0 0181	1 08660	0 751	39.76		2.29E+00	7.39
0 090	-0.748	0 0182	1 09000	0 748	39.76		2.28E+00	7.38
0 093	-0.748	0 0182	1 09330	0 748	39.76		2.28E+00	7.38
0 097	-0.748	0 0183	1 09660	0 748	39.76		2.28E+00	7.38
0 100	-0.748	0 0183	1 10000	0 748	39.76		2.28E+00	7.38
0 103	-0.745	0 0184	1 10330	0 745	39.76		2.27E+00	7.37
0 107	-0.745	0 0184	1 10660	0 745	39.76		2.27E+00	7.37
0 110	-0.745	0 0185	1 11000	0 745	39.76		2.27E+00	7.37
0 113	-0.741	0 0186	1 11330	0 741	39.77		2.26E+00	7.36
0 117	-0.741	0 0186	1 11660	0 741	39.77		2.26E+00	7.36
0 120	-0.741	0 0187	1 12000	0 741	39.77		2.26E+00	7.36
0 123	-0.738	0 0187	1 12330	0 738	39.77		2.25E+00	7.35
0 127	-0.738	0 0188	1 12660	0 738	39.77		2.25E+00	7.35

Input Transducer	Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-0 738	0 0182	1 13000	0 738	39 77		2.25E+00	7 35
0 133	-0 735	0 0189	1 13330	0 735	39 77		2.24E+00	7 34
0 137	-0 735	0 0189	1 13660	0 735	39 77		2.24E+00	7 34
0 140	-0 732	0 0190	1 14000	0 732	39 78		2.23E+00	7 33
0 143	-0 732	0 0191	1 14330	0 732	39 78		2.23E+00	7 33
0 147	-0 732	0 0191	1 14660	0 732	39 78		2.23E+00	7 33
0 150	-0 729	0 0192	1 15000	0 729	39 78		2.22E+00	7 32
0 153	-0 729	0 0192	1 15330	0 729	39 78		2.22E+00	7 32
0 157	-0 726	0 0193	1 15660	0 726	39 78		2.21E+00	7 31
0 160	-0 726	0 0193	1 16000	0 726	39 78		2.21E+00	7 31
0 163	-0 722	0 0194	1 16330	0 722	39 79		2.20E+00	7 30
0 167	-0 722	0 0194	1 16660	0 722	39 79		2.20E+00	7 30
0 170	-0 719	0 0195	1 17000	0 719	39 79		2.19E+00	7 29
0 173	-0 719	0 0196	1 17330	0 719	39 79		2.19E+00	7 29
0 177	-0 719	0 0196	1 17660	0 719	39 79		2.19E+00	7 29
0 180	-0 716	0 0197	1 18000	0 716	39 79		2.18E+00	7 28
0 183	-0 716	0 0197	1 18330	0 716	39 79		2.18E+00	7 28
0 187	-0 713	0 0198	1 18660	0 713	39 79		2.18E+00	7 27
0 190	-0 713	0.0198	1 19000	0 713	39 79		2.18E+00	7 27
0 193	-0 710	0 0199	1 19330	0 710	39 80		2.17E+00	7 26
0 197	-0 710	0 0199	1 19660	0 710	39 80		2.17E+00	7 26
0 200	-0 707	0 0200	1 20000	0 707	39 80		2.16E+00	7 25
0 203	-0 707	0 0201	1 20330	0 707	39 80		2.16E+00	7 25
0 207	-0 707	0 0201	1 20660	0 707	39 80		2.16E+00	7 25
0 210	-0 703	0 0202	1 21000	0 703	39 80		2.14E+00	7 24
0 213	-0 703	0 0202	1 21330	0 703	39 80		2.14E+00	7 24
0 217	-0 700	0 0203	1 21660	0 700	39 81		2.14E+00	7 23
0 220	-0 700	0 0203	1 22000	0 700	39 81		2.14E+00	7 23
0 223	-0 700	0 0204	1 22330	0 700	39 81		2.14E+00	7 23
0 227	-0 700	0 0204	1 22660	0 700	39 81		2.14E+00	7 23
0 230	-0 697	0 0205	1 23000	0 697	39 81		2.13E+00	7 22
0 233	-0 697	0 0206	1 23330	0 697	39 81		2.13E+00	7 22
0 237	-0 697	0 0206	1 23660	0 697	39 81		2.13E+00	7 22
0 240	-0 694	0 0207	1 24000	0 694	39 81		2.12E+00	7 21
0 243	-0 694	0 0207	1 24330	0 694	39 81		2.12E+00	7 21
0 247	-0 691	0 0208	1 24660	0 691	39 82		2.11E+00	7 20
0 250	-0 691	0 0208	1 25000	0 691	39 82		2.11E+00	7 20
0 253	-0 687	0 0209	1 25330	0 687	39 82		2.10E+00	7 19
0 257	-0 687	0 0209	1 25660	0 687	39 82		2.10E+00	7 19
0 260	-0 687	0 0210	1 26000	0 687	39 82		2.10E+00	7 19
0 263	-0 684	0 0211	1 26330	0 684	39 82		2.09E+00	7 18
0 267	-0 684	0 0211	1 26660	0 684	39 82		2.09E+00	7 18
0 270	-0 681	0 0212	1 27000	0 681	39 83		2.08E+00	7 17
0 273	-0 681	0 0212	1 27330	0 681	39 83		2.08E+00	7 17
0 277	-0 678	0 0213	1 27660	0 678	39 83		2.07E+00	7 16
0 280	-0 678	0 0213	1 28000	0 678	39 83		2.07E+00	7 16
0 283	-0 678	0 0214	1 28330	0 678	39 83		2.07E+00	7 16
0 287	-0 675	0 0214	1 28660	0 675	39 83		2.06E+00	7 16
0 290	-0 675	0 0215	1 29000	0 675	39 83		2.06E+00	7 16
0 293	-0 745	0 0216	1 29330	0 745	39 76		2.27E+00	7 37
0 297	-0 925	0 0216	1 29660	0 925	39 58		2.82E+00	7 92
0 300	-0 906	0 0217	1 30000	0 906	39 60		2.76E+00	7 86
0 303	-0 900	0 0217	1 30330	0 900	39 61		2.75E+00	7 84
0 307	-0 897	0 0218	1 30660	0 897	39 61		2.74E+00	7 83
0 310	-0 894	0 0218	1 31000	0 894	39 61		2.73E+00	7 82
0 313	-0 890	0 0219	1 31330	0 890	39 62		2.72E+00	7 81
0 317	-0 887	0.0219	1 31660	0 887	39 62		2.71E+00	7 80
0 320	-0 887	0 0220	1 32000	0 887	39 62		2.71E+00	7 80
0 323	-0 884	0 0221	1 32330	0 884	39 62		2.70E+00	7 79
0 327	-0 881	0 0221	1 32660	0 881	39 63		2.69E+00	7 78
0 330	-0 881	0 0222	1 33000	0 881	39 63		2.69E+00	7 78
0 333	-0 878	0 0222	1 33330	0 878	39 63		2.68E+00	7 78
0 350	-0 868	0 0225	1 35000	0 868	39 64		2.65E+00	7 74
0 367	-0 862	0 0228	1 36660	0 862	39 65		2.63E+00	7 73
0 383	-0 852	0 0231	1 38330	0 852	39 66		2.60E+00	7 70
0 400	-0 846	0 0233	1 40000	0 846	39 66		2.58E+00	7 68
0 417	-0 840	0 0236	1 41660	0 840	39 67		2.56E+00	7 66
0 433	-0 833	0 0239	1 43330	0 833	39 67		2.54E+00	7 64
0 450	-0 827	0 0242	1 45000	0 827	39 68		2.52E+00	7 62
0 467	-0 821	0 0244	1 46660	0 821	39 69		2.50E+00	7 60
0 483	-0 818	0 0247	1 48330	0 818	39 69		2.50E+00	7 59
0 500	-0 811	0 0250	1 50000	0 811	39 70		2.47E+00	7 57
0 517	-0 805	0 0253	1 51660	0 805	39 70		2.46E+00	7 55

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-0 798	0 0256	1 53330	0 798	39 71	2.43E+00	7 53
0 550	-0 792	0 0258	1 55000	0 792	39 72	2.42E+00	7 51
0 567	-0 789	0 0261	1 56660	0 789	39 72	2.41E+00	7 50
0 583	-0 783	0 0264	1 58330	0 783	39 72	2.39E+00	7 49
0 600	-0 779	0 0267	1 60000	0 779	39 73	2.38E+00	7 47
0 617	-0 776	0 0269	1 61660	0 776	39 73	2.37E+00	7 46
0 633	-0 770	0 0272	1 63330	0 770	39 74	2.35E+00	7 45
0 650	-0 764	0 0275	1 65000	0 764	39 74	2.33E+00	7 43
0 667	-0 760	0 0278	1 66660	0 760	39 75	2.32E+00	7 42
0 683	-0 754	0 0281	1 68330	0 754	39 75	2.30E+00	7 40
0 700	-0 995	0 0283	1 70000	0 995	39 51	3 04E+00	8 13
0 717	-0 982	0 0286	1 71660	0 982	39 53	3 00E+00	8 09
0 733	-0 976	0 0289	1 73330	0 976	39 53	2.98E+00	8 07
0 750	-0 970	0 0292	1 75000	0 970	39 54	2.96E+00	8 06
0 767	-0 963	0 0294	1 76660	0 963	39 54	2.94E+00	8 03
0 783	-0 960	0 0297	1 78330	0 960	39 55	2.93E+00	8 03
0 800	-0 954	0 0300	1 80000	0 954	39 55	2.91E+00	8 01
0 817	-0 948	0 0303	1 81660	0 948	39 56	2.89E+00	7 99
0 833	-0 944	0 0306	1 83330	0 944	39 56	2.88E+00	7 98
0 850	-0 938	0 0308	1 85000	0 938	39 57	2.86E+00	7 96
0 867	-0 935	0 0311	1 86660	0 935	39 57	2.85E+00	7 95
0 883	-0 932	0 0314	1 88330	0 932	39 58	2.84E+00	7 94
0 900	-0 928	0 0317	1 90000	0 928	39 58	2.83E+00	7 93
0 917	-0 922	0 0319	1 91660	0 922	39 59	2.81E+00	7 91
0 933	-0 919	0 0322	1 93330	0 919	39 59	2.80E+00	7 90
0 950	-0 916	0 0325	1 95000	0 916	39 59	2.79E+00	7 89
0 967	-0 913	0 0328	1 96660	0 913	39 59	2.79E+00	7 88
0 983	-0 906	0 0331	1 98330	0 906	39 60	2.76E+00	7 86
1 000	-0 903	0 0333	2.00000	0 903	39 60	2.75E+00	7 85
1 200	-0 862	0 0367	2.20000	0 862	39 65	2.63E+00	7 73
1 400	-1 059	0 0400	2.40000	1 059	39 45	3 23E+00	8 33
1 600	-1 033	0 0433	2.60000	1 033	39 47	3 15E+00	8 25
1 800	-1 008	0 0467	2.80000	1 008	39 50	3 08E+00	8 17
2 000	-0 989	0 0500	3 00000	0 989	39 52	3 02E+00	8 11
2 200	-1 201	0 0533	3 20000	1 201	39 31	3 66E+00	8 76
2 400	-1 189	0 0567	3 40000	1 189	39 32	3 63E+00	8 72
2 600	-1 179	0 0600	3 60000	1 179	39 33	3 60E+00	8 69
2 800	-1 166	0 0633	3 80000	1 166	39 34	3 56E+00	8 65
3 000	-1 160	0 0667	4 00000	1 160	39 35	3 54E+00	8 64
3 200	-1 150	0 0700	4 20000	1 150	39 36	3 51E+00	8 60
3 400	-1 379	0 0733	4 40000	1 379	39 13	4 21E+00	9 30
3 600	-1 369	0 0767	4 60000	1 369	39 14	4 18E+00	9 27
3 800	-1 363	0 0800	4 80000	1 363	39 14	4 16E+00	9 25
4 000	-1 360	0 0833	5 00000	1 360	39 15	4 15E+00	9 25
4 200	-1 360	0 0867	5 20000	1 360	39 15	4 15E+00	9 25
4 400	-1 353	0 0900	5 40000	1 353	39 15	4 13E+00	9 22
4 600	-1 350	0 0933	5 60000	1 350	39 16	4 12E+00	9 21
4 800	-1 347	0 0967	5 80000	1 347	39 16	4 11E+00	9 21
5 000	-1 347	0 1000	6 00000	1 347	39 16	4 11E+00	9 21
5 200	-1 344	0 1033	6 20000	1 344	39 16	4 10E+00	9 20
5 400	-1 341	0 1067	6 40000	1 341	39 17	4 09E+00	9 19
5 600	-1 575	0 1100	6 60000	1 575	38 93	4 80E+00	9 90
5 800	-1 572	0 1133	6 80000	1 572	38 94	4 80E+00	9 89
6 000	-1 572	0 1167	7 00000	1 572	38 94	4 80E+00	9 89
6 200	-1 569	0 1200	7 20000	1 569	38 94	4 79E+00	9 88
6 400	-1 569	0 1233	7 40000	1 569	38 94	4 79E+00	9 88
6 600	-1 572	0 1267	7 60000	1 572	38 94	4 80E+00	9 89
6 800	-1 572	0 1300	7 80000	1 572	38 94	4 80E+00	9 89
7 000	-1 572	0 1333	8 00000	1 572	38 94	4 80E+00	9 89
7 200	-1 575	0 1367	8 20000	1 575	38 93	4 80E+00	9 90
7 400	-1 575	0 1400	8 40000	1 575	38 93	4 80E+00	9 90
7 600	-1 582	0 1433	8 60000	1 582	38 93	4 83E+00	9 92
7 800	-1 582	0 1467	8 80000	1 582	38 93	4 83E+00	9 92
8 000	-1 582	0 1500	9 00000	1 582	38 93	4 83E+00	9 92
8 200	-1 826	0 1533	9 20000	1 826	38 68	5 57E+00	10 67
8 400	-1 826	0 1567	9 40000	1 826	38 68	5 57E+00	10 67
8 600	-1 826	0 1600	9 60000	1 826	38 68	5 57E+00	10 67
8 800	-1 829	0 1633	9 80000	1 829	38 68	5 58E+00	10 68
9 000	-1 832	0 1667	10 00000	1 832	38 68	5 59E+00	10 69
9 200	-1 832	0 1700	10 20000	1 832	38 68	5 59E+00	10 69
9 400	-1 832	0 1733	10 40000	1 832	38 68	5 59E+00	10 69
9 600	-1 836	0 1767	10 60000	1 836	38 67	5 60E+00	10 70
9 800	-1 839	0 1800	10 80000	1 839	38.67	5 61E+00	10 71

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-1 839	0 1833	11 00000	1 839	38 67	5 61E+00	10 71
12 000	-2 061	0 2167	13 00000	2 061	38 45	6.29E+00	11 38
14 000	-2 064	0 2500	15 00000	2 064	38 44	6.30E+00	11 39
16 000	-2 080	0 2833	17 00000	2 080	38 43	6 35E+00	11 44
18 000	-2 498	0 3167	19 00000	2 498	38 01	7 62E+00	12 72
20 000	-2 594	0 3500	21 00000	2 594	37 91	7 91E+00	13 01
22 000	-2 686	0 3833	23 00000	2 686	37 82	8 19E+00	13 29
24 000	-2 771	0 4167	25 00000	2 771	37 74	8 45E+00	13 55
26 000	-2 854	0 4500	27 00000	2 854	37 65	8 71E+00	13 80
28 000	-2 927	0 4833	29 00000	2 927	37 58	8 93E+00	14 03
30 000	-3 000	0 5167	31 00000	3 000	37 51	9 15E+00	14 25
32 000	-3 066	0 5500	33 00000	3 066	37 44	9 35E+00	14 45
34 000	-3 130	0 5833	35 00000	3 130	37 38	9 55E+00	14 65
36 000	-3 187	0 6167	37 00000	3 187	37 32	9 72E+00	14 82
38 000	-3 244	0 6500	39 00000	3 244	37 26	9 90E+00	14 99
40 000	-3 298	0 6833	41 00000	3 298	37 21	1 01E+01	15 16
42 000	-3 349	0 7167	43 00000	3 349	37 16	1 02E+01	15 31
44 000	-3 400	0 7500	45 00000	3 400	37 11	1 04E+01	15 47
46 000	-3 447	0 7833	47 00000	3 447	37 06	1 05E+01	15 61
48 000	-3 495	0 8167	49 00000	3 495	37 01	1 07E+01	15 76
50 000	-3 539	0 8500	51 00000	3 539	36 97	1 08E+01	15 89
52 000	-3 580	0 8833	53 00000	3 580	36 93	1 09E+01	16 02
54 000	-3 618	0 9167	55 00000	3 618	36 89	1 10E+01	16 13
56 000	-3 657	0 9500	57 00000	3 657	36 85	1 12E+01	16 25
58 000	-3 695	0 9833	59 00000	3 695	36 81	1 13E+01	16 37
60 000	-3 729	1 0167	61 00000	3 729	36 78	1 14E+01	16 47
62 000	-3 764	1 0500	63 00000	3 764	36 74	1 15E+01	16 58
64 000	-3 796	1 0833	65 00000	3 796	36 71	1 16E+01	16 68
66 000	-3 831	1 1167	67 00000	3 831	36 68	1 17E+01	16.78
68 000	-3 863	1 1500	69 00000	3 863	36 64	1 18E+01	16 88
70 000	-3 895	1 1833	71 00000	3 895	36.61	1 19E+01	16.98
72 000	-3 923	1 2167	73 00000	3 923	36 58	1 20E+01	17 06
74 000	-3 955	1 2500	75 00000	3 955	36 55	1 21E+01	17 16
76 000	-3 980	1 2833	77 00000	3 980	36 53	1 21E+01	17 24
78 000	-4 012	1 3167	79 00000	4 012	36 50	1 22E+01	17 34
80 000	-4 040	1 3500	81 00000	4 040	36.47	1 23E+01	17 42
82 000	-4 069	1 3833	83 00000	4 069	36 44	1 24E+01	17 51
84 000	-4 094	1 4167	85 00000	4 094	36 41	1 25E+01	17 59
86 000	-4 123	1 4500	87 00000	4 123	36 38	1 26E+01	17 67
88 000	-4 148	1 4833	89 00000	4 148	36 36	1 27E+01	17 75
90 000	-4 174	1 5167	91 00000	4 174	36 33	1 27E+01	17 83
92 000	-4 199	1 5500	93 00000	4 199	36 31	1 28E+01	17 91
94 000	-4 225	1 5833	95 00000	4 225	36 28	1 29E+01	17 99
96 000	-4 250	1 6167	97 00000	4 250	36 26	1 30E+01	18 06
98 000	-4 272	1 6500	99 00000	4 272	36 24	1 30E+01	18 13
100 000	-4 294	1 6833	101 00000	4 294	36.21	1 31E+01	18 20
120 000	-4 504	2 0167	121 00000	4 504	36 00	1 37E+01	18 84
140 000	-4 694	2 3500	141 00000	4 694	35 81	1 43E+01	19 42
160 000	-4 859	2.6833	161 00000	4 859	35 65	1 48E+01	19 92
180 000	-5 012	3 0167	181 00000	5 012	35 50	1 53E+01	20 39
200 000	-5 148	3 3500	201 00000	5 148	35 36	1 57E+01	20 80
220 000	-5 282	3 6833	221 00000	5 282	35 23	1 61E+01	21 21
240 000	-5 412	4 0167	241 00000	5 412	35 10	1 65E+01	21 61
260 000	-5 529	4 3500	261 00000	5 529	34 98	1 69E+01	21 96
280 000	-5 650	4 6833	281 00000	5 650	34 86	1 72E+01	22 33
300 000	-5 764	5 0167	301 00000	5 764	34 74	1 76E+01	22 68
320 000	-5 869	5 3500	321 00000	5 869	34 64	1 79E+01	23 00
340 000	-5 974	5 6833	341 00000	5 974	34 53	1 82E+01	23 32
360 000	-6 078	6 0167	361 00000	6 078	34 43	1 85E+01	23 64
380 000	-6 193	6 3500	381 00000	6.193	34 31	1 89E+01	23 99
400 000	-6 313	6 6833	401 00000	6 313	34 19	1 93E+01	24 36
420 000	-6 440	7 0167	421 00000	6 440	34 07	1 96E+01	24 74
440 000	-6 564	7 3500	441 00000	6 564	33 94	2 00E+01	25 12
460 000	-6 663	7 6833	461 00000	6 663	33 84	2.03E+01	25 42
480 000	-6 745	8 0167	481 00000	6.745	33 76	2.06E+01	25 67
500 000	-6.834	8 3500	501 00000	6 834	33 67	2.08E+01	25 94
520 000	-6 926	8 6833	521 00000	6 926	33 58	2.11E+01	26 23
540 000	-7 025	9 0167	541 00000	7 025	33 48	2.14E+01	26 53
560 000	-7 130	9 3500	561 00000	7 130	33 38	2 18E+01	26 85
580 000	-7 238	9 6833	581 00000	7 238	33 27	2.21E+01	27 18
600 000	-7 346	10 0167	601 00000	7 346	33 16	2.24E+01	27 51
620 000	-7 454	10 3500	621 00000	7 454	33 05	2.27E+01	27 84
640 000	-7 565	10 6833	641 00000	7 565	32.94	2.31E+01	28 17

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-7 660	11 0167	661 00000	7 660	32.85	2.34E+01	28 46
680 000	-7 743	11 3500	681 00000	7 743	32.76	2.36E+01	28 72
700 000	-7 841	11 6833	701 00000	7 841	32.67	2.39E+01	29 02
720 000	-7 940	12.0167	721 00000	7 940	32.57	2.42E+01	29 32
740 000	-8 038	12.3500	741 00000	8 038	32.47	2.45E+01	29 62
760 000	-8 133	12.6833	761 00000	8 133	32.37	2.48E+01	29 91
780 000	-8 232	13 0167	781 00000	8 232	32.28	2.51E+01	30 21
800 000	-8 337	13 3500	801 00000	8 337	32.17	2.54E+01	30 53
820 000	-8 441	13 6833	821 00000	8 441	32.07	2.58E+01	30 85
840 000	-8 534	14 0167	841 00000	8 534	31.97	2.60E+01	31 13
860 000	-8 600	14 3500	861 00000	8 600	31.91	2.62E+01	31 33
880 000	-8 686	14 6833	881 00000	8 686	31.82	2.65E+01	31 59
900 000	-8 781	15 0167	901 00000	8 781	31.73	2.68E+01	31 88
920 000	-8 877	15 3500	921 00000	8 877	31.63	2.71E+01	32.18
940 000	-8 963	15 6833	941 00000	8 963	31.54	2.73E+01	32.44
960 000	-9 058	16.0167	961 00000	9 058	31.45	2.76E+01	32.73
980 000	-9 156	16 3500	981 00000	9 156	31.35	2.79E+01	33 03
1000 000	-9 245	16 6833	1001 00000	9 245	31.26	2.82E+01	33 30
1200 000	-10 228	20 0167	1201 00000	10 228	30.28	3.12E+01	36 30
1400 000	-11 121	23 3500	1401 00000	11 121	29.39	3.39E+01	39 02
1600 000	-12.005	26 6833	1601 00000	12.005	28.50	3.66E+01	41 72
1800 000	-12.816	30 0167	1801 00000	12.816	27.69	3.91E+01	44 19
2000 000	-13 544	33 3500	2001 00000	13 544	26.96	4.13E+01	46 41
2200 000	-14 254	36 6833	2201 00000	14 254	26.25	4.35E+01	48 58
2400 000	-14 912	40 0167	2401 00000	14 912	25.60	4.55E+01	50 59
2600 000	-15 606	43 3500	2601 00000	15 606	24.90	4.76E+01	52.70
2800 000	-16.307	46.6833	2801 00000	16.307	24.20	4.97E+01	54.84
3000 000	-16 956	50 0167	3001 00000	16.956	23.55	5.17E+01	56.82
3200 000	-17 529	53 3500	3201 00000	17 529	22.98	5.27E+01	57.79
3400 000	-18 080	56.6833	3401 00000	18 080	22.43	5.30E+01	58.13
3600 000	-18 679	60 0167	3601 00000	18 679	21.83	5.34E+01	58.50
3800 000	-19 208	63 3500	3801 00000	19 208	21.30	5.37E+01	58.82
4000 000	-19 721	66 6833	4001 00000	19 721	20.79	5.40E+01	59.14
4200 000	-20 259	70 0167	4201 00000	20 259	20.25	5.44E+01	59.47
4400 000	-20 753	73 3500	4401 00000	20 753	19.75	5.47E+01	59.78
4600 000	-21 209	76 6833	4601 00000	21 209	19.30	5.50E+01	60.06
4800 000	-22.121	80 0167	4801 00000	22.121	18.39	5.55E+01	60.62
5000 000	-23 010	83 3500	5001 00000	23 010	17.50	5.61E+01	61.17
5200 000	-23 856	86 6833	5201 00000	23 856	16.65	5.66E+01	61.70
5400 000	-24 631	90 0167	5401 00000	24 631	15.88	5.71E+01	62.18
5600 000	-24 787	93 3500	5601 00000	24 787	15.72	5.72E+01	62.27
5800 000	-24 787	96 6833	5801 00000	24 787	15.72	5.72E+01	62.27
6000 000	-24 787	100 0167	6001 00000	24 787	15.72	5.72E+01	62.27
6200 000	-24 787	103 3500	6201 00000	24 787	15.72	5.72E+01	62.27
6400 000	-24 787	106 6833	6401 00000	24 787	15.72	5.72E+01	62.27
6600 000	-24 787	110 0167	6601 00000	24 787	15.72	5.72E+01	62.27
6800 000	-24 787	113 3500	6801 00000	24 787	15.72	5.72E+01	62.27
7000 000	-24 787	116 6833	7001 00000	24 787	15.72	5.72E+01	62.27
7200 000	-24 787	120 0167	7201 00000	24 787	15.72	5.72E+01	62.27
7400 000	-24 787	123 3500	7401 00000	24 787	15.72	5.72E+01	62.27
7600 000	-24 787	126 6833	7601 00000	24 787	15.72	5.72E+01	62.27
7800 000	-24 787	130 0167	7801 00000	24 787	15.72	5.72E+01	62.27
8000 000	-24 787	133 3500	8001 00000	24 787	15.72	5.72E+01	62.27
8200 000	-24 787	136 6833	8201 00000	24 787	15.72	5.72E+01	62.27
8400 000	-24 787	140 0167	8401 00000	24 787	15.72	5.72E+01	62.27

F 0910

Well No. 71193

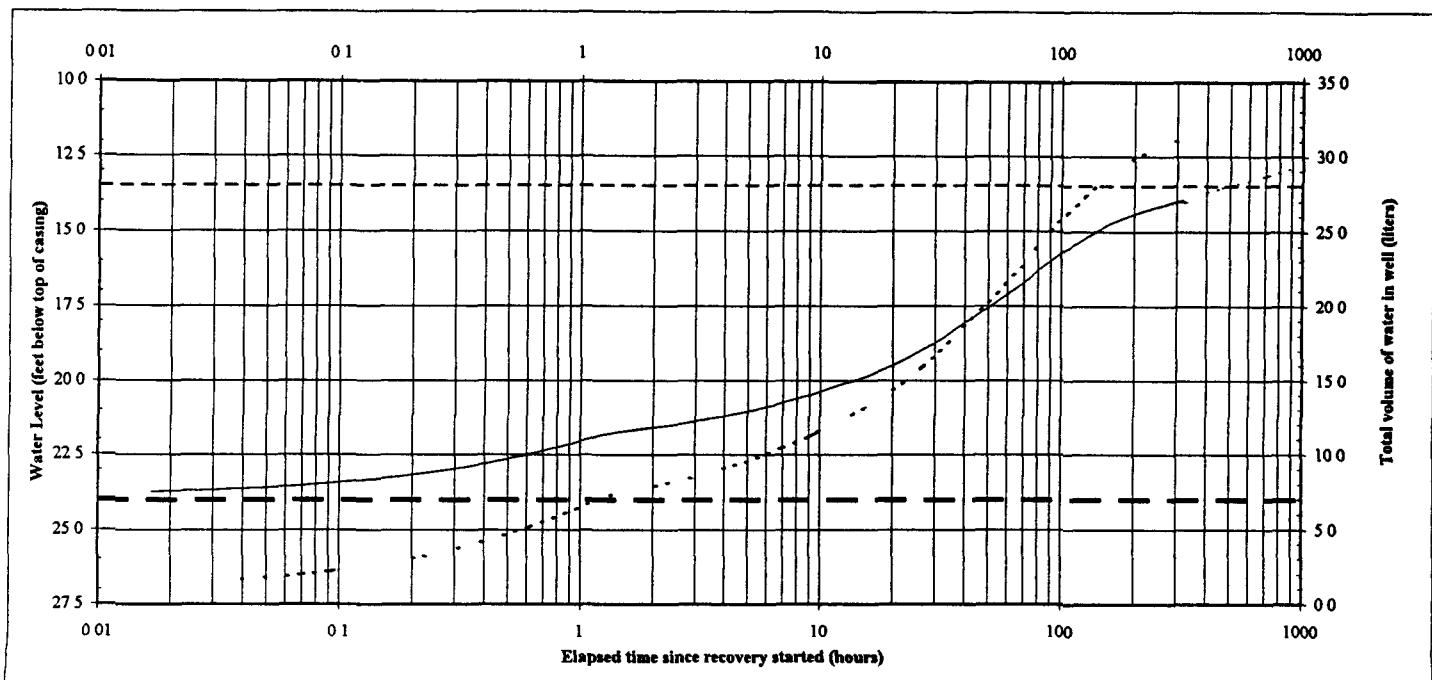
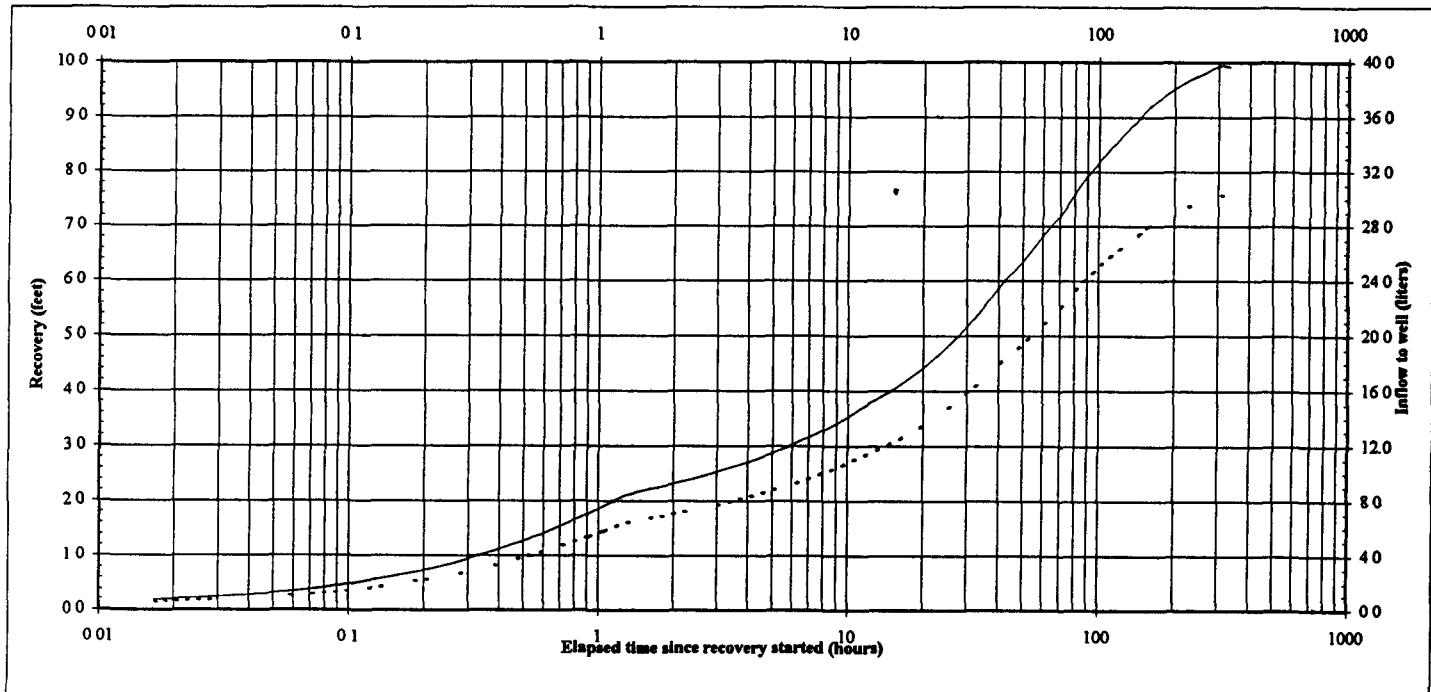
Measured recovery after sampling

Date: 22-Aug-94

3rd quarter 1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume
Extrapolation to 100% recovery



Well No.

71193

Date Sampled

3rd quarter
22-Aug-94

Final bail time	13:12	Delay	1 00	Minutes
Set transducer time	13:13			
Static water level (pre-sampling)	13:5			
Final water level (post-recovery)	14:0	feet below top of casing		
Last recorded water level	9:9	feet below top of casing		
Transducer reference depth	23.9	feet below transducer		
Bottom of well	24.0	feet below top of casing		
First recorded water level	0:2	feet below transducer		
First recorded water level	23.7	feet below top of casing		
Water column remaining in casing after purging	0.3	feet		
Volume remaining in casing after purging	0.8	liters		
Well diameter	7.8	inches	0.583	feet
Well radius	3.5	inches	0.292	feet
Casing diameter	3.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	8.2	feet below top of casing		0.62 liters/foot
				3.05 liters/foot

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)		(feet)	(hours)	final bail (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 000		-0 180	0 0167	1 00000	0 180	23 73	5 49E-01	1 38
0 003		-0 180	0 0167	1 00330	0 180	23 73	5 49E-01	1 38
0 007		-0 180	0 0168	1 00660	0 180	23 73	5 49E-01	1 38
0 010		-0 180	0 0168	1 01000	0 180	23 73	5 49E-01	1 38
0 013		-0 180	0 0169	1 01330	0 180	23 73	5 49E-01	1 38
0 017		-0 180	0 0169	1 01660	0 180	23 73	5 49E-01	1 38
0 020		-0 180	0 0170	1 02000	0 180	23 73	5 49E-01	1 38
0 023		-0 180	0 0171	1 02330	0 180	23 73	5 49E-01	1 38
0 027		-0 183	0 0171	1 02660	0 183	23 73	5 58E-01	1 39
0 030		-0 183	0 0172	1 03000	0 183	23 73	5 58E-01	1 39
0 033		-0 183	0 0172	1 03330	0 183	23 73	5 58E-01	1 39
0 037		-0 183	0 0173	1 03660	0 183	23 73	5 58E-01	1 39
0 040		-0 183	0 0173	1 04000	0 183	23 73	5 58E-01	1 39
0 043		-0 183	0 0174	1 04330	0 183	23 73	5 58E-01	1 39
0 047		-0 183	0 0174	1 04660	0 183	23 73	5 58E-01	1 39
0 050		-0 183	0 0175	1 05000	0 183	23 73	5 58E-01	1 39
0 053		-0 183	0 0176	1 05330	0 183	23 73	5 58E-01	1 39
0 057		-0 183	0 0176	1 05660	0 183	23 73	5 58E-01	1 39
0 060		-0 183	0 0177	1 06000	0 183	23 73	5 58E-01	1 39
0 063		-0 186	0 0177	1 06330	0 186	23 72	5 67E-01	1 40
0 067		-0 186	0 0178	1 06660	0 186	23 72	5 67E-01	1 40
0 070		-0 183	0 0178	1 07000	0 183	23 73	5 58E-01	1 39
0 073		-0 186	0 0179	1 07330	0 186	23 72	5 67E-01	1 40
0 077		-0 186	0 0179	1 07660	0 186	23 72	5 67E-01	1 40
0 080		-0 186	0 0180	1 08000	0 186	23 72	5 67E-01	1 40
0 083		-0 186	0 0181	1 08330	0 186	23 72	5 67E-01	1 40
0 087		-0 186	0 0181	1 08660	0 186	23 72	5 67E-01	1 40
0 090		-0 186	0 0182	1 09000	0 186	23 72	5 67E-01	1 40
0 093		-0 186	0 0182	1 09330	0 186	23 72	5 67E-01	1 40
0 097		-0 186	0 0183	1 09660	0 186	23 72	5 67E-01	1 40
0 100		-0 186	0 0183	1 10000	0 186	23 72	5 67E-01	1 40
0 103		-0 186	0 0184	1 10330	0 186	23 72	5 67E-01	1 40
0 107		-0 189	0 0184	1 10660	0 189	23 72	5 77E-01	1 41
0 110		-0 186	0 0185	1 11000	0 186	23 72	5 67E-01	1 40
0 113		-0 189	0 0186	1 11330	0 189	23 72	5 77E-01	1 41
0 117		-0 189	0 0186	1 11660	0 189	23 72	5 77E-01	1 41
0 120		-0 189	0 0187	1 12000	0 189	23 72	5 77E-01	1 41
0 123		-0 189	0 0187	1 12330	0 189	23 72	5 77E-01	1 41

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
0 127	-0 189	0 0188	1 12660	0 189	23 72		5 77E-01	1 41
0 130	-0 189	0 0188	1 13000	0 189	23 72		5 77E-01	1 41
0 133	-0 189	0 0189	1 13330	0 189	23 72		5 77E-01	1 41
0 137	-0 189	0 0189	1 13660	0 189	23 72		5 77E-01	1 41
0 140	-0 189	0 0190	1 14000	0 189	23 72		5 77E-01	1 41
0 143	-0 189	0 0191	1 14330	0 189	23 72		5 77E-01	1 41
0 147	-0 189	0 0191	1 14660	0 189	23 72		5 77E-01	1 41
0 150	-0 189	0 0192	1 15000	0 189	23 72		5 77E-01	1 41
0 153	-0 189	0 0192	1 15330	0 189	23 72		5 77E-01	1 41
0 157	-0 189	0 0193	1 15660	0 189	23 72		5 77E-01	1 41
0 160	-0 189	0 0193	1 16000	0 189	23 72		5 77E-01	1 41
0 163	-0 192	0 0194	1 16330	0 192	23 72		5 86E-01	1 42
0 167	-0 192	0 0194	1 16660	0 192	23 72		5 86E-01	1 42
0 170	-0 192	0 0195	1 17000	0 192	23 72		5 86E-01	1 42
0 173	-0 192	0 0196	1 17330	0 192	23 72		5 86E-01	1 42
0 177	-0 192	0 0196	1 17660	0 192	23 72		5 86E-01	1 42
0 180	-0 192	0 0197	1 18000	0 192	23 72		5 86E-01	1 42
0 183	-0 192	0 0197	1 18330	0 192	23 72		5 86E-01	1 42
0 187	-0 192	0 0198	1 18660	0 192	23 72		5 86E-01	1 42
0 190	-0 192	0 0198	1 19000	0 192	23 72		5 86E-01	1 42
0 193	-0 192	0 0199	1 19330	0 192	23 72		5 86E-01	1 42
0 197	-0 195	0 0199	1 19660	0 195	23 71		5 95E-01	1 42
0 200	-0 195	0 0200	1 20000	0 195	23 71		5 95E-01	1 42
0 203	-0 195	0 0201	1 20330	0 195	23 71		5 95E-01	1 42
0 207	-0 195	0 0201	1 20660	0 195	23 71		5 95E-01	1 42
0 210	-0 195	0 0202	1 21000	0 195	23 71		5 95E-01	1 42
0 213	-0 195	0 0202	1 21330	0 195	23 71		5 95E-01	1 42
0 217	-0 195	0 0203	1 21660	0 195	23 71		5 95E-01	1 42
0 220	-0 195	0 0203	1 22000	0 195	23 71		5 95E-01	1 42
0 223	-0 195	0 0204	1 22330	0 195	23 71		5 95E-01	1 42
0 227	-0 195	0 0204	1 22660	0 195	23 71		5 95E-01	1 42
0 230	-0 195	0 0205	1 23000	0 195	23 71		5 95E-01	1 42
0 233	-0 195	0 0206	1 23330	0 195	23 71		5 95E-01	1 42
0 237	-0 199	0 0206	1 23660	0 199	23 71		6 07E-01	1 44
0 240	-0 195	0 0207	1 24000	0 195	23 71		5 95E-01	1 42
0 243	-0 199	0 0207	1 24330	0 199	23 71		6 07E-01	1 44
0 247	-0 199	0 0208	1 24660	0 199	23 71		6 07E-01	1 44
0 250	-0 199	0 0208	1 25000	0 199	23 71		6 07E-01	1 44
0 253	-0 199	0 0209	1 25330	0 199	23 71		6 07E-01	1 44
0 257	-0 199	0 0209	1 25660	0 199	23 71		6 07E-01	1 44
0 260	-0 199	0 0210	1 26000	0 199	23 71		6 07E-01	1 44
0 263	-0 199	0 0211	1 26330	0 199	23 71		6 07E-01	1 44
0 267	-0 199	0 0211	1 26660	0 199	23 71		6 07E-01	1 44
0 270	-0 199	0 0212	1 27000	0 199	23 71		6 07E-01	1 44
0 273	-0 199	0 0212	1 27330	0 199	23 71		6 07E-01	1 44
0 277	-0 199	0 0213	1 27660	0 199	23 71		6 07E-01	1 44
0 280	-0 202	0 0213	1 28000	0 202	23 71		6 16E-01	1 45
0 283	-0 202	0 0214	1 28330	0 202	23 71		6 16E-01	1 45
0 287	-0 202	0 0214	1 28660	0 202	23 71		6 16E-01	1 45
0 290	-0 202	0 0215	1 29000	0 202	23 71		6 16E-01	1 45
0 293	-0 202	0 0216	1 29330	0 202	23 71		6 16E-01	1 45
0 297	-0 202	0 0216	1 29660	0 202	23 71		6 16E-01	1 45
0 300	-0 202	0 0217	1 30000	0 202	23 71		6 16E-01	1 45
0 303	-0 202	0 0217	1 30330	0 202	23 71		6 16E-01	1 45
0 307	-0 202	0 0218	1 30660	0 202	23 71		6 16E-01	1 45
0 310	-0 202	0 0218	1 31000	0 202	23 71		6 16E-01	1 45
0 313	-0 202	0 0219	1 31330	0 202	23 71		6 16E-01	1 45
0 317	-0 202	0 0219	1 31660	0 202	23 71		6 16E-01	1 45
0 320	-0 205	0 0220	1 32000	0 205	23 70		6 25E-01	1 46
0 323	-0 205	0 0221	1 32330	0 205	23 70		6 25E-01	1 46
0 327	-0 205	0 0221	1 32660	0 205	23 70		6 25E-01	1 46
0 330	-0 205	0 0222	1 33000	0 205	23 70		6 25E-01	1 46
0 333	-0 205	0 0222	1 33330	0 205	23 70		6 25E-01	1 46
0 350	-0 205	0 0225	1 35000	0 205	23 70		6 25E-01	1 46
0 367	-0 208	0 0228	1 36660	0 208	23 70		6 35E-01	1 46
0 383	-0 208	0 0231	1 38330	0 208	23 70		6 35E-01	1 46
0 400	-0 211	0 0233	1 40000	0 211	23 70		6 44E-01	1 47
0 417	-0 211	0 0236	1 41660	0 211	23 70		6 44E-01	1 47
0 433	-0 214	0 0239	1 43330	0 214	23 69		6 53E-01	1 48
0 450	-0 214	0 0242	1 45000	0 214	23 69		6 53E-01	1 48
0 467	-0 214	0 0244	1 46660	0 214	23 69		6 53E-01	1 48
0 483	-0 218	0 0247	1 48330	0 218	23 69		6 65E-01	1 49

Input data							Cumulative	Volume of water in well
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	(liters)
0 500	-0 218	0 0250	1 50000	0 218	23 69	6 65E-01	1 49	
0 517	-0 218	0 0253	1 51660	0 218	23 69	6 65E-01	1 49	
0 533	-0 221	0 0256	1 53330	0 221	23 69	6 74E-01	1 50	
0 550	-0 221	0 0258	1 55000	0 221	23 69	6 74E-01	1 50	
0 567	-0 224	0 0261	1 56660	0 224	23 68	6 83E-01	1 51	
0 583	-0 224	0 0264	1 58330	0 224	23 68	6 83E-01	1 51	
0 600	-0 227	0 0267	1 60000	0 227	23 68	6 92E-01	1 52	
0 617	-0 227	0 0269	1 61660	0 227	23 68	6 92E-01	1 52	
0 633	-0 230	0 0272	1 63330	0 230	23 68	7 02E-01	1 53	
0 650	-0 230	0 0275	1 65000	0 230	23 68	7 02E-01	1 53	
0 667	-0 230	0 0278	1 66660	0 230	23 68	7 02E-01	1 53	
0 683	-0 233	0 0281	1 68330	0 233	23 68	7 11E-01	1 54	
0 700	-0 233	0 0283	1 70000	0 233	23 68	7 11E-01	1 54	
0 717	-0 237	0 0286	1 71660	0 237	23 67	7 23E-01	1 55	
0 733	-0 237	0 0289	1 73330	0 237	23 67	7 23E-01	1 55	
0 750	-0 240	0 0292	1 75000	0 240	23 67	7 32E-01	1 56	
0 767	-0 240	0 0294	1 76660	0 240	23 67	7 32E-01	1 56	
0 783	-0 243	0 0297	1 78330	0 243	23 67	7 41E-01	1 57	
0 800	-0 243	0 0300	1 80000	0 243	23 67	7 41E-01	1 57	
0 817	-0 243	0 0303	1 81660	0 243	23 67	7 41E-01	1 57	
0 833	-0 246	0 0306	1 83330	0 246	23 66	7 50E-01	1 58	
0 850	-0 246	0 0308	1 85000	0 246	23 66	7 50E-01	1 58	
0 867	-0 246	0 0311	1 86660	0 246	23 66	7 50E-01	1 58	
0 883	-0 249	0 0314	1 88330	0 249	23 66	7 60E-01	1 59	
0 900	-0 249	0 0317	1 90000	0 249	23 66	7 60E-01	1 59	
0 917	-0 252	0 0319	1 91660	0 252	23 66	7 69E-01	1 60	
0 933	-0 252	0 0322	1 93330	0 252	23 66	7 69E-01	1 60	
0 950	-0 252	0 0325	1 95000	0 252	23 66	7 69E-01	1 60	
0 967	-0 256	0 0328	1 96660	0 256	23 65	7 81E-01	1 61	
0 983	-0 256	0 0331	1 98330	0 256	23 65	7 81E-01	1 61	
1 000	-0 259	0 0333	2 00000	0 259	23 65	7 90E-01	1 62	
1 200	-0 274	0 0367	2.20000	0 274	23 63	8 36E-01	1 67	
1 400	-0 287	0 0400	2 40000	0 287	23 62	8 76E-01	1 71	
1 600	-0 303	0 0433	2 60000	0 303	23 61	9 24E-01	1 75	
1 800	-0 312	0 0467	2.80000	0 312	23 60	9 52E-01	1 78	
2 000	-0 328	0 0500	3 00000	0 328	23 58	1 00E+00	1 83	
2 200	-0 335	0 0533	3 20000	0 335	23 57	1 02E+00	1 85	
2 400	-0 350	0 0567	3 40000	0 350	23 56	1 07E+00	1 90	
2 600	-0 363	0 0600	3 60000	0 363	23 55	1 11E+00	1 94	
2 800	-0 372	0 0633	3 80000	0 372	23 54	1 13E+00	1 96	
3 000	-0 385	0 0667	4 00000	0 385	23 52	1 17E+00	2.00	
3 200	-0 395	0 0700	4 20000	0 395	23 51	1 20E+00	2.03	
3 400	-0 407	0 0733	4 40000	0 407	23 50	1 24E+00	2.07	
3 600	-0 417	0 0767	4 60000	0 417	23 49	1 27E+00	2.10	
3 800	-0 429	0 0800	4 80000	0 429	23 48	1 31E+00	2.14	
4 000	-0 439	0 0833	5 00000	0 439	23 47	1 34E+00	2.17	
4 200	-0 451	0 0867	5 20000	0 451	23 46	1 38E+00	2.21	
4 400	-0 461	0 0900	5 40000	0 461	23 45	1 41E+00	2.24	
4 600	-0 470	0 0933	5 60000	0 470	23 44	1 43E+00	2.26	
4 800	-0 483	0 0967	5 80000	0 483	23 43	1 47E+00	2.30	
5 000	-0 493	0 1000	6 00000	0 493	23 42	1 50E+00	2.33	
5 200	-0 502	0 1033	6 20000	0 502	23 41	1 53E+00	2.36	
5 400	-0 512	0 1067	6 40000	0 512	23 40	1 56E+00	2.39	
5 600	-0 524	0 1100	6 60000	0 524	23 38	1 60E+00	2.43	
5 800	-0 537	0 1133	6 80000	0 537	23 37	1 64E+00	2.47	
6 000	-0 543	0 1167	7 00000	0 543	23 37	1 66E+00	2.49	
6 200	-0 553	0 1200	7 20000	0 553	23 36	1 69E+00	2.52	
6 400	-0 562	0 1233	7 40000	0 562	23 35	1 71E+00	2.54	
6 600	-0 572	0 1267	7 60000	0 572	23 34	1 74E+00	2.57	
6 800	-0 581	0 1300	7 80000	0 581	23 33	1 77E+00	2.60	
7 000	-0 587	0 1333	8 00000	0 587	23 32	1 79E+00	2.62	
7 200	-0 597	0 1367	8 20000	0 597	23 31	1 82E+00	2.65	
7 400	-0 603	0 1400	8 40000	0 603	23 31	1 84E+00	2.67	
7 600	-0 613	0 1433	8 60000	0 613	23 30	1 87E+00	2.70	
7 800	-0 619	0 1467	8 80000	0 619	23 29	1 89E+00	2.72	
8 000	-0 628	0 1500	9 00000	0 628	23 28	1 92E+00	2.75	
8 200	-0 638	0 1533	9 20000	0 638	23 27	1 95E+00	2.78	
8 400	-0 647	0 1567	9 40000	0 647	23 26	1 97E+00	2.80	
8 600	-0 654	0 1600	9 60000	0 654	23 25	2 00E+00	2.82	
8 800	-0 663	0 1633	9 80000	0 663	23 25	2 02E+00	2.85	
9 000	-0 670	0 1667	10 00000	0 670	23 24	2 04E+00	2.87	
9 200	-0 676	0 1700	10 20000	0 676	23 23	2 06E+00	2.89	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
9 400	-0 685	0 1733	10 40000	0 685	23 22		2.09E+00	2.92
9 600	-0 692	0 1767	10 60000	0 692	23 22		2.11E+00	2.94
9 800	-0 701	0 1800	10 80000	0 701	23 21		2.14E+00	2.97
10 000	-0 707	0 1833	11 00000	0 707	23 20		2.16E+00	2.99
12 000	-0 774	0 2167	13 00000	0 774	23 13		2.36E+00	3 19
14 000	-0 843	0 2500	15 00000	0 843	23 07		2.57E+00	3 40
16 000	-0 910	0 2833	17 00000	0 910	23 00		2.78E+00	3 61
18 000	-0 973	0 3167	19 00000	0 973	22.94		2.97E+00	3 80
20 000	-1 036	0 3500	21 00000	1 036	22 87		3.16E+00	3 99
22 000	-1 093	0 3833	23 00000	1 093	22 82		3.33E+00	4 16
24 000	-1 147	0 4167	25 00000	1 147	22.76		3.50E+00	4 33
26 000	-1 201	0 4500	27 00000	1 201	22.71		3.66E+00	4 49
28 000	-1 248	0 4833	29 00000	1 248	22 66		3.81E+00	4 64
30 000	-1 299	0 5167	31 00000	1 299	22 61		3.96E+00	4 79
32 000	-1 346	0 5500	33 00000	1 346	22 56		4.11E+00	4 94
34 000	-1 390	0 5833	35 00000	1 390	22 52		4.24E+00	5 07
36 000	-1 434	0 6167	37 00000	1 434	22 47		4.37E+00	5 20
38 000	-1 479	0 6500	39 00000	1 479	22 43		4.51E+00	5 34
40 000	-1 520	0 6833	41 00000	1 520	22 39		4.64E+00	5 47
42 000	-1 558	0 7167	43 00000	1 558	22.35		4.75E+00	5 58
44 000	-1 596	0 7500	45 00000	1 596	22 31		4.87E+00	5 70
46 000	-1 637	0 7833	47 00000	1 637	22 27		4.99E+00	5 82
48 000	-1 671	0 8167	49 00000	1 671	22 24		5.10E+00	5 93
50 000	-1 706	0 8500	51 00000	1 706	22 20		5.20E+00	6 03
52 000	-1 741	0 8833	53 00000	1 741	22.17		5.31E+00	6 14
54 000	-1 776	0 9167	55 00000	1 776	22.13		5.42E+00	6 25
56 000	-1 811	0 9500	57 00000	1 811	22 10		5.52E+00	6 35
58 000	-1 842	0 9833	59 00000	1 842	22 07		5.62E+00	6 45
60 000	-1 874	1 0167	61 00000	1 874	22.03		5.72E+00	6 55
62 000	-1 905	1 0500	63 00000	1 905	22 00		5.81E+00	6 64
64 000	-1 937	1 0833	65 00000	1 937	21 97		5.91E+00	6 74
66 000	-1 969	1 1167	67 00000	1 969	21 94		6.01E+00	6 84
68 000	-1 997	1 1500	69 00000	1 997	21 91		6.09E+00	6 92
70 000	-2 029	1 1833	71 00000	2.029	21 88		6.19E+00	7 02
72 000	-2 054	1 2167	73 00000	2 054	21 85		6.27E+00	7 10
74 000	-2 076	1 2500	75 00000	2 076	21 83		6.33E+00	7 16
76 000	-2 095	1 2833	77 00000	2 095	21 81		6.39E+00	7 22
78 000	-2 111	1 3167	79 00000	2 111	21 80		6.44E+00	7 27
80 000	-2 127	1 3500	81 00000	2.127	21 78		6.49E+00	7 32
82 000	-2 139	1 3833	83 00000	2.139	21 77		6.53E+00	7 36
84 000	-2 155	1 4167	85 00000	2.155	21 75		6.57E+00	7 40
86 000	-2.171	1 4500	87 00000	2 171	21 74		6.62E+00	7 45
88 000	-2 184	1 4833	89 00000	2 184	21 72		6.66E+00	7 49
90 000	-2 190	1 5167	91 00000	2 190	21 72		6.68E+00	7 51
92 000	-2 202	1 5500	93 00000	2 202	21 71		6.72E+00	7 55
94 000	-2 212	1 5833	95 00000	2 212	21 70		6.75E+00	7 58
96 000	-2 221	1 6167	97 00000	2 221	21 69		6.78E+00	7 61
98 000	-2 234	1 6500	99 00000	2.234	21 67		6.82E+00	7 64
100 000	-2 240	1 6833	101 00000	2 240	21 67		6.83E+00	7 66
120 000	-2 326	2.0167	121 00000	2 326	21 58		7.10E+00	7 93
140 000	-2 398	2.3500	141 00000	2.398	21 51		7.32E+00	8 15
160 000	-2 468	2 6833	161 00000	2 468	21 44		7.53E+00	8 36
180 000	-2 534	3 0167	181 00000	2 534	21 37		7.73E+00	8 56
200 000	-2 598	3 3500	201 00000	2 598	21 31		7.93E+00	8 76
220 000	-2 658	3 6833	221 00000	2 658	21 25		8.11E+00	8 94
240 000	-2 718	4 0167	241 00000	2 718	21 19		8.29E+00	9 12
260 000	-2 771	4 3500	261 00000	2 771	21 14		8.45E+00	9 28
280 000	-2 822	4 6833	281 00000	2 822	21 09		8.61E+00	9 44
300 000	-2 876	5 0167	301 00000	2 876	21 03		8.77E+00	9 60
320 000	-2 926	5 3500	321 00000	2 926	20 98		8.93E+00	9 76
340 000	-2 977	5 6833	341 00000	2 977	20 93		9.08E+00	9 91
360 000	-3 024	6 0167	361 00000	3 024	20 88		9.23E+00	10 05
380 000	-3 072	6 3500	381 00000	3 072	20 84		9.37E+00	10 20
400 000	-3 116	6 6833	401 00000	3 116	20 79		9.51E+00	10 34
420 000	-3 160	7 0167	421 00000	3 160	20 75		9.64E+00	10 47
440 000	-3 204	7 3500	441 00000	3 204	20 70		9.77E+00	10 60
460 000	-3 245	7 6833	461 00000	3 245	20 66		9.90E+00	10 73
480 000	-3 287	8 0167	481 00000	3 287	20 62		1.00E+01	10 86
500 000	-3 328	8 3500	501 00000	3 328	20 58		1.02E+01	10 98
520 000	-3 369	8 6833	521 00000	3 369	20 54		1.03E+01	11 11
540 000	-3 407	9 0167	541 00000	3 407	20 50		1.04E+01	11 22
560 000	-3 448	9 3500	561 00000	3 448	20 46		1.05E+01	11 35

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
(minutes)	(feet)	(hours)		final bail (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
580 000	-3 489	9 6833		581 00000	3 489	20 42	1 06E+01	11 47
600 000	-3 533	10 0167		601 00000	3 533	20 38	1 08E+01	11 61
620 000	-3 577	10 3500		621 00000	3 577	20 33	1 09E+01	11 74
640 000	-3 615	10 6833		641 00000	3 615	20 29	1 10E+01	11 86
660 000	-3 653	11 0167		661 00000	3 653	20 26	1 11E+01	11 97
680 000	-3 691	11 3500		681 00000	3 691	20 22	1 13E+01	12 09
700 000	-3 723	11 6833		701 00000	3 723	20 19	1 14E+01	12 19
720 000	-3 754	12 0167		721 00000	3 754	20 15	1 15E+01	12 28
740 000	-3 786	12 3500		741 00000	3 786	20 12	1 15E+01	12 38
760 000	-3 814	12.6833		761 00000	3 814	20 09	1 16E+01	12 46
780 000	-3 840	13 0167		781 00000	3 840	20 07	1 17E+01	12 54
800 000	-3 868	13 3500		801 00000	3 868	20 04	1 18E+01	12 63
820 000	-3 897	13 6833		821 00000	3 897	20 01	1 19E+01	12 72
840 000	-3 922	14 0167		841 00000	3 922	19 99	1 20E+01	12 79
860 000	-3 947	14 3500		861 00000	3 947	19 96	1 20E+01	12 87
880 000	-3 976	14 6833		881 00000	3 976	19 93	1 21E+01	12 96
900 000	-4 004	15 0167		901 00000	4 004	19 90	1 22E+01	13 04
920 000	-4 032	15 3500		921 00000	4 032	19 88	1 23E+01	13 13
940 000	-4 058	15 6833		941 00000	4 058	19 85	1 24E+01	13 21
960 000	-4 086	16 0167		961 00000	4 086	19 82	1 25E+01	13 29
980 000	-4 115	16 3500		981 00000	4 115	19 79	1 26E+01	13 38
1000 000	-4 143	16 6833		1001 00000	4 143	19 77	1 26E+01	13 47
1200 000	-4 418	20 0167		1201 00000	4 418	19 49	1 35E+01	14 31
1400 000	-4 674	23 3500		1401 00000	4 674	19 23	1 43E+01	15 09
1600 000	-4 940	26 6833		1601 00000	4 940	18 97	1 51E+01	15 90
1800 000	-5 173	30 0167		1801 00000	5 173	18 74	1 58E+01	16 61
2000 000	-5 404	33 3500		2001 00000	5 404	18 50	1 65E+01	17 32
2200 000	-5 654	36 6833		2201 00000	5 654	18 25	1 72E+01	18 08
2400 000	-5 866	40 0167		2401 00000	5 866	18 04	1 79E+01	18 72
2600 000	-6 046	43 3500		2601 00000	6 046	17 86	1 84E+01	19 27
2800 000	-6 201	46 6833		2801 00000	6 201	17 71	1 89E+01	19 75
3000 000	-6 352	50 0167		3001 00000	6 352	17 56	1 94E+01	20 21
3200 000	-6 514	53 3500		3201 00000	6 514	17 39	1 99E+01	20 70
3400 000	-6 678	56 6833		3401 00000	6 678	17 23	2 04E+01	21 20
3600 000	-6 820	60 0167		3601 00000	6 820	17 09	2 08E+01	21 63
3800 000	-6 943	63 3500		3801 00000	6 943	16 97	2 12E+01	22 01
4000 000	-7 070	66 6833		4001 00000	7 070	16 84	2 16E+01	22 40
4200 000	-7 184	70 0167		4201 00000	7 184	16 72	2 19E+01	22 75
4400 000	-7 320	73 3500		4401 00000	7 320	16 59	2 23E+01	23 16
4600 000	-7 459	76 6833		4601 00000	7 459	16 45	2 28E+01	23 58
4800 000	-7 598	80 0167		4801 00000	7 598	16 31	2 32E+01	24 01
5000 000	-7 718	83 3500		5001 00000	7 718	16 19	2 35E+01	24 37
5200 000	-7 825	86 6833		5201 00000	7 825	16 08	2 39E+01	24 70
5400 000	-7 923	90 0167		5401 00000	7 923	15 99	2 42E+01	25 00
5600 000	-8 002	93 3500		5601 00000	8 002	15 91	2 44E+01	25 24
5800 000	-8 097	96 6833		5801 00000	8 097	15 81	2 47E+01	25 53
6000 000	-8 182	100 0167		6001 00000	8 182	15 73	2 50E+01	25 79
6200 000	-8 268	103 3500		6201 00000	8 268	15 64	2 52E+01	26 05
6400 000	-8 337	106 6833		6401 00000	8 337	15 57	2 54E+01	26 26
6600 000	-8 410	110 0167		6601 00000	8 410	15 50	2 57E+01	26 49
6800 000	-8 476	113 3500		6801 00000	8 476	15 43	2 59E+01	26 69
7000 000	-8 527	116 6833		7001 00000	8 527	15 38	2 60E+01	26 84
7200 000	-8 593	120 0167		7201 00000	8 593	15 32	2 62E+01	27 04
7400 000	-8 657	123 3500		7401 00000	8 657	15 25	2 64E+01	27 24
7600 000	-8 710	126 6833		7601 00000	8 710	15 20	2 66E+01	27 40
7800 000	-8 764	130 0167		7801 00000	8 764	15 14	2 67E+01	27 57
8000 000	-8 815	133 3500		8001 00000	8 815	15 09	2 69E+01	27 72
8200 000	-8 868	136 6833		8201 00000	8 868	15 04	2 71E+01	27 88
8400 000	-8 916	140 0167		8401 00000	8 916	14 99	2 72E+01	28 03
8600 000	-8 963	143 3500		8601 00000	8 963	14 95	2 73E+01	28 17
8800 000	-9 011	146 6833		8801 00000	9 011	14 90	2 75E+01	28 32
9000 000	-9 064	150 0167		9001 00000	9 064	14 84	2 77E+01	28 48
9200 000	-9 112	153 3500		9201 00000	9 112	14 80	2 78E+01	28 63
9400 000	-9 159	156 6833		9401 00000	9 159	14 75	2 79E+01	28 77
9600 000	-9 197	160 0167		9601 00000	9 197	14 71	2 81E+01	28 89
9800 000	-9 222	163 3500		9801 00000	9 222	14 69	2 81E+01	28 96
10000 000	-9 254	166 6833		10001 00000	9 254	14 65	2 82E+01	29 06
11440 000	-9 456	190 6833		11441 00000	9 456	14 45	2 88E+01	29 68
12880 000	-9 605	214 6833		12881 00000	9 605	14 30	2 93E+01	30 13
14320 000	-9 718	238 6833		14321 00000	9 718	14 19	2 96E+01	30 48
15760 000	-9 801	262 6833		15761 00000	9 801	14 11	2 99E+01	30 73
17200 000	-9 902	286 6833		17201 00000	9 902	14 01	3 02E+01	31 04

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
	18640 000	-9 940	310 6833	18641 00000	9 940	13 97	3 03E+01	31 15
	20080 000	-9 908	334 6833	20081 00000	9 908	14 00	3 02E+01	31 06

F 0917

Well No. 71493

Measured recovery after sampling

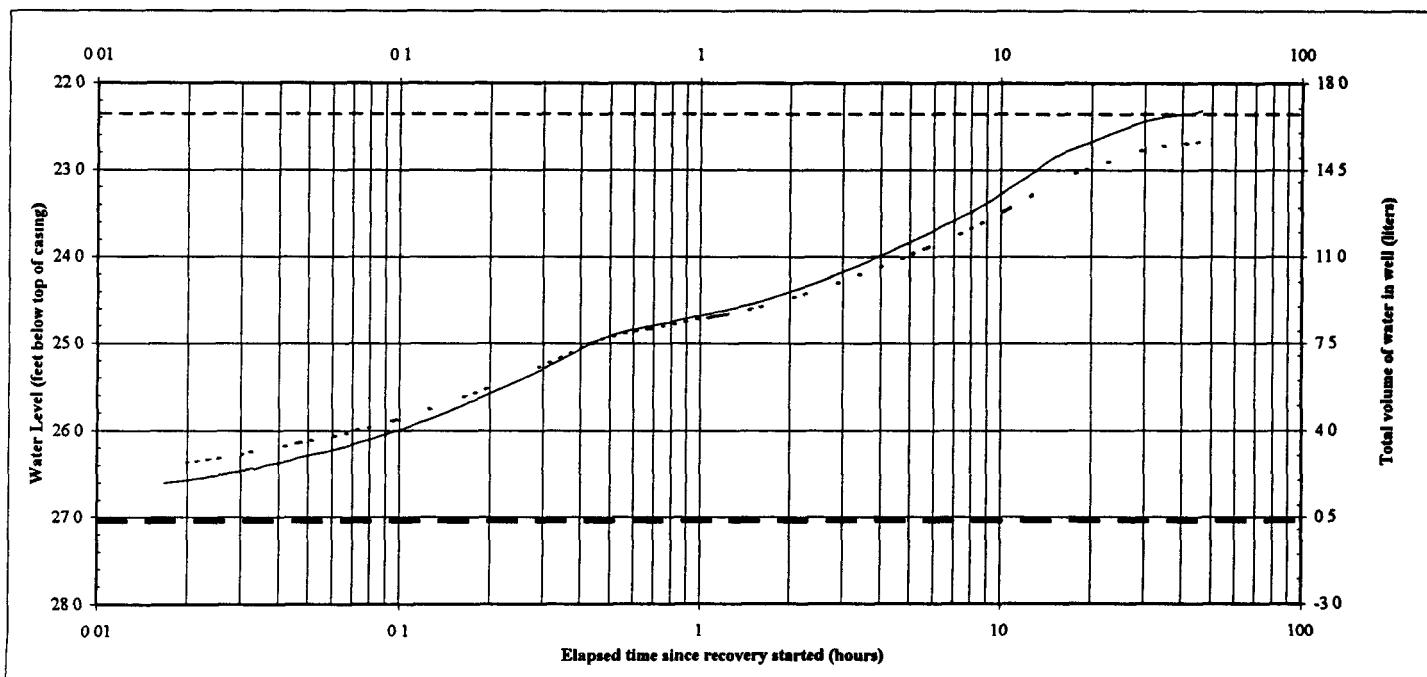
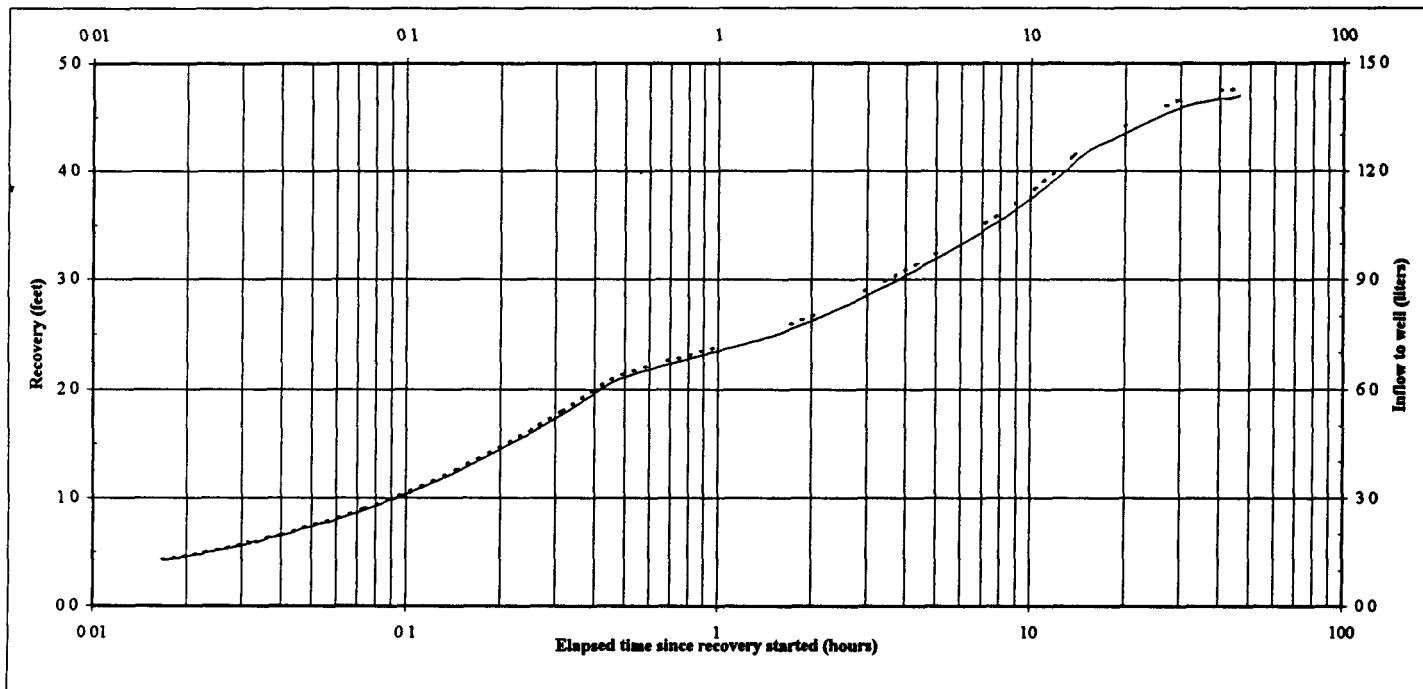
Date: 7-Sep-94

3rd quarter

1994

Pre-sampling
Static Water Level
Bottom of well

Water Level
Volume



Well No.

71493

Date Sampled

3rd quarter

7-Sep-94

Final bail time	13 08	Delay	1 00	Minutes
Set transducer time	13 09			
Static water level (pre-sampling)	-22.4	feet below top of casing		
Final water level (post-recovery)	-22.3	feet below top of casing		
Last recorded water level	-42	feet below transducer		
Transducer reference depth	27.0	feet below top of casing		
Bottom of well	27.0	feet below top of casing		
First recorded water level	-0.4	feet below transducer		
First recorded water level	26.6	feet below top of casing		
Water column remaining in casing after purging	0.4	feet		
Volume remaining in casing after purging	1.3	liters		
Well diameter	7.0	inches	0.583	feet
Well radius	3.5	inches	0.292	feet
Casing diameter	2.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	15.8	feet below top of casing		
			0.62	liters/foot
			3.05	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0.000	-0.422	0.0167	1 00000	0 422	26 60	2.62
0.003	-0.422	0.0167	1 00330	0 422	26 60	1 29E+00
0.007	-0.426	0.0168	1 00660	0 426	26 60	1 30E+00
0.010	-0.426	0.0168	1 01000	0 426	26 60	1 30E+00
0.013	-0.426	0.0169	1 01330	0 426	26 60	1 30E+00
0.017	-0.426	0.0169	1 01660	0 426	26 60	1 30E+00
0.020	-0.429	0.0170	1 02000	0 429	26 60	1 31E+00
0.023	-0.429	0.0171	1 02330	0 429	26 60	1 31E+00
0.027	-0.429	0.0171	1 02660	0 429	26 60	1 31E+00
0.030	-0.429	0.0172	1 03000	0 429	26 60	1 31E+00
0.033	-0.429	0.0172	1 03330	0 429	26 60	1 31E+00
0.037	-0.429	0.0173	1 03660	0 429	26 60	1 31E+00
0.040	-0.429	0.0173	1 04000	0 429	26 60	1 31E+00
0.043	-0.432	0.0174	1 04330	0 432	26 59	1 32E+00
0.047	-0.432	0.0174	1 04660	0 432	26 59	1 32E+00
0.050	-0.435	0.0175	1 05000	0 435	26 59	1 33E+00
0.053	-0.435	0.0176	1 05330	0 435	26 59	1 33E+00
0.057	-0.435	0.0176	1 05660	0 435	26 59	1 33E+00
0.060	-0.435	0.0177	1 06000	0 435	26 59	1 33E+00
0.063	-0.435	0.0177	1 06330	0 435	26 59	1 33E+00
0.067	-0.435	0.0178	1 06660	0 435	26 59	1 33E+00
0.070	-0.435	0.0178	1 07000	0 435	26 59	1 33E+00
0.073	-0.438	0.0179	1 07330	0 438	26 59	1 34E+00
0.077	-0.438	0.0179	1 07660	0 438	26 59	1 34E+00
0.080	-0.438	0.0180	1 08000	0 438	26 59	1 34E+00
0.083	-0.438	0.0181	1 08330	0 438	26 59	1 34E+00
0.087	-0.438	0.0181	1 08660	0 438	26 59	1 34E+00
0.090	-0.441	0.0182	1 09000	0 441	26 58	1 35E+00
0.093	-0.441	0.0182	1 09330	0 441	26 58	1 35E+00
0.097	-0.441	0.0183	1 09660	0 441	26 58	1 35E+00
0.100	-0.441	0.0183	1 10000	0 441	26 58	1 35E+00
0.103	-0.441	0.0184	1 10330	0 441	26 58	1 35E+00
0.107	-0.441	0.0184	1 10660	0 441	26 58	1 35E+00
0.110	-0.441	0.0185	1 11000	0 441	26 58	1 35E+00
0.113	-0.444	0.0186	1 11330	0 444	26 58	1 35E+00
0.117	-0.444	0.0186	1 11660	0 444	26 58	1 35E+00
0.120	-0.444	0.0187	1 12000	0 444	26 58	1 35E+00
0.123	-0.444	0.0187	1 12330	0 444	26 58	1 35E+00
0.127	-0.444	0.0188	1 12660	0 444	26 58	1 35E+00
0.130	-0.444	0.0188	1 13000	0 444	26 58	1 35E+00

Input data							Cumulative Inflow (liters)	Volume of water in well (liters)
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)		
	0 133	-0 448	0 0189	1 13330	0 448	26 58	1 37E+00	2.70
	0 137	-0 448	0 0189	1 13660	0 448	26 58	1 37E+00	2.70
	0 140	-0 448	0 0190	1 14000	0 448	26 58	1 37E+00	2.70
	0 143	-0 448	0 0191	1 14330	0 448	26 58	1 37E+00	2.70
	0 147	-0 448	0 0191	1 14660	0 448	26 58	1 37E+00	2.70
	0 150	-0 451	0 0192	1 15000	0 451	26 57	1 38E+00	2.71
	0 153	-0 451	0 0192	1 15330	0 451	26 57	1 38E+00	2.71
	0 157	-0 451	0 0193	1 15660	0 451	26 57	1 38E+00	2.71
	0 160	-0 451	0 0193	1 16000	0 451	26 57	1 38E+00	2.71
	0 163	-0 454	0 0194	1 16330	0 454	26 57	1 38E+00	2.72
	0 167	-0 454	0 0194	1 16660	0 454	26 57	1 38E+00	2.72
	0 170	-0 454	0 0195	1 17000	0 454	26 57	1 38E+00	2.72
	0 173	-0 454	0 0196	1 17330	0 454	26 57	1 38E+00	2.72
	0 177	-0 454	0 0196	1 17660	0 454	26 57	1 38E+00	2.72
	0 180	-0 454	0 0197	1 18000	0 454	26 57	1 38E+00	2.72
	0 183	-0 457	0 0197	1 18330	0 457	26 57	1 39E+00	2.73
	0 187	-0 457	0 0198	1 18660	0 457	26 57	1 39E+00	2.73
	0 190	-0 460	0 0198	1 19000	0 460	26 57	1 40E+00	2.74
	0 193	-0 460	0 0199	1 19330	0 460	26 57	1 40E+00	2.74
	0 197	-0 460	0 0199	1 19660	0 460	26 57	1 40E+00	2.74
	0 200	-0 460	0 0200	1 20000	0 460	26 57	1 40E+00	2.74
	0 203	-0 460	0 0201	1 20330	0 460	26 57	1 40E+00	2.74
	0 207	-0 460	0 0201	1 20660	0 460	26 57	1 40E+00	2.74
	0 210	-0 463	0 0202	1 21000	0 463	26 56	1 41E+00	2.75
	0 213	-0 460	0 0202	1 21330	0 460	26 57	1 40E+00	2.74
	0 217	-0 463	0 0203	1 21660	0 463	26 56	1 41E+00	2.75
	0 220	-0 463	0 0203	1 22000	0 463	26 56	1 41E+00	2.75
	0 223	-0 463	0 0204	1 22330	0 463	26 56	1 41E+00	2.75
	0 227	-0 467	0 0204	1 22660	0 467	26 56	1 42E+00	2.76
	0 230	-0 467	0 0205	1 23000	0 467	26 56	1 42E+00	2.76
	0 233	-0 467	0 0206	1 23330	0 467	26 56	1 42E+00	2.76
	0 237	-0 470	0 0206	1 23660	0 470	26 56	1 43E+00	2.77
	0 240	-0 467	0 0207	1 24000	0 467	26 56	1 42E+00	2.76
	0 243	-0 470	0 0207	1 24330	0 470	26 56	1 43E+00	2.77
	0 247	-0 470	0 0208	1 24660	0 470	26 56	1 43E+00	2.77
	0 250	-0 470	0 0208	1 25000	0 470	26 56	1 43E+00	2.77
	0 253	-0 473	0 0209	1 25330	0 473	26 55	1 44E+00	2.78
	0 257	-0 473	0 0209	1 25660	0 473	26 55	1 44E+00	2.78
	0 260	-0 473	0 0210	1 26000	0 473	26 55	1 44E+00	2.78
	0 263	-0 473	0 0211	1 26330	0 473	26 55	1 44E+00	2.78
	0 267	-0 473	0 0211	1 26660	0 473	26 55	1 44E+00	2.78
	0 270	-0 473	0 0212	1 27000	0 473	26 55	1 44E+00	2.78
	0 273	-0 473	0 0212	1 27330	0 473	26 55	1 44E+00	2.78
	0 277	-0 473	0 0213	1 27660	0 473	26 55	1 44E+00	2.78
	0 280	-0 476	0 0213	1 28000	0 476	26 55	1 45E+00	2.79
	0 283	-0 476	0 0214	1 28330	0 476	26 55	1 45E+00	2.79
	0 287	-0 476	0 0214	1 28660	0 476	26 55	1 45E+00	2.79
	0 290	-0 476	0 0215	1 29000	0 476	26 55	1 45E+00	2.79
	0 293	-0 479	0 0216	1 29330	0 479	26 55	1 46E+00	2.79
	0 297	-0 476	0 0216	1 29660	0 476	26 55	1 45E+00	2.79
	0 300	-0 476	0 0217	1 30000	0 476	26 55	1 45E+00	2.79
	0 303	-0 482	0 0217	1 30330	0 482	26 54	1 47E+00	2.80
	0 307	-0 482	0 0218	1 30660	0 482	26 54	1 47E+00	2.80
	0 310	-0 485	0 0218	1 31000	0 485	26 54	1 48E+00	2.81
	0 313	-0 485	0 0219	1 31330	0 485	26 54	1 48E+00	2.81
	0 317	-0 479	0 0219	1 31660	0 479	26 55	1 46E+00	2.79
	0 320	-0 482	0 0220	1 32000	0 482	26 54	1 47E+00	2.80
	0 323	-0 485	0 0221	1 32330	0 485	26 54	1 48E+00	2.81
	0 327	-0 482	0 0221	1 32660	0 482	26 54	1 47E+00	2.80
	0 330	-0 479	0 0222	1 33000	0 479	26 55	1 46E+00	2.79
	0 333	-0 479	0 0222	1 33330	0 479	26 55	1 46E+00	2.79
	0 350	-0 482	0 0225	1 35000	0 482	26 54	1 47E+00	2.80
	0 367	-0 485	0 0228	1 36660	0 485	26 54	1 48E+00	2.81
	0 383	-0 495	0 0231	1 38330	0 495	26 53	1 51E+00	2.84
	0 400	-0 495	0 0233	1 40000	0 495	26 53	1 51E+00	2.84
	0 417	-0 501	0 0236	1 41660	0 501	26 52	1 53E+00	2.86
	0 433	-0 504	0 0239	1 43330	0 504	26 52	1 54E+00	2.87
	0 450	-0 508	0 0242	1 45000	0 508	26 52	1 55E+00	2.88
	0 467	-0 504	0 0244	1 46660	0 504	26 52	1 54E+00	2.87
	0 483	-0 511	0 0247	1 48330	0 511	26 51	1 56E+00	2.89
	0 500	-0 511	0 0250	1 50000	0 511	26 51	1 56E+00	2.89
	0 517	-0 511	0 0253	1 51660	0 511	26 51	1 56E+00	2.89
	0 533	-0 527	0 0256	1 53330	0 527	26 50	1 61E+00	2.94
	0 550	-0 517	0 0258	1 55000	0 517	26 51	1 58E+00	2.91

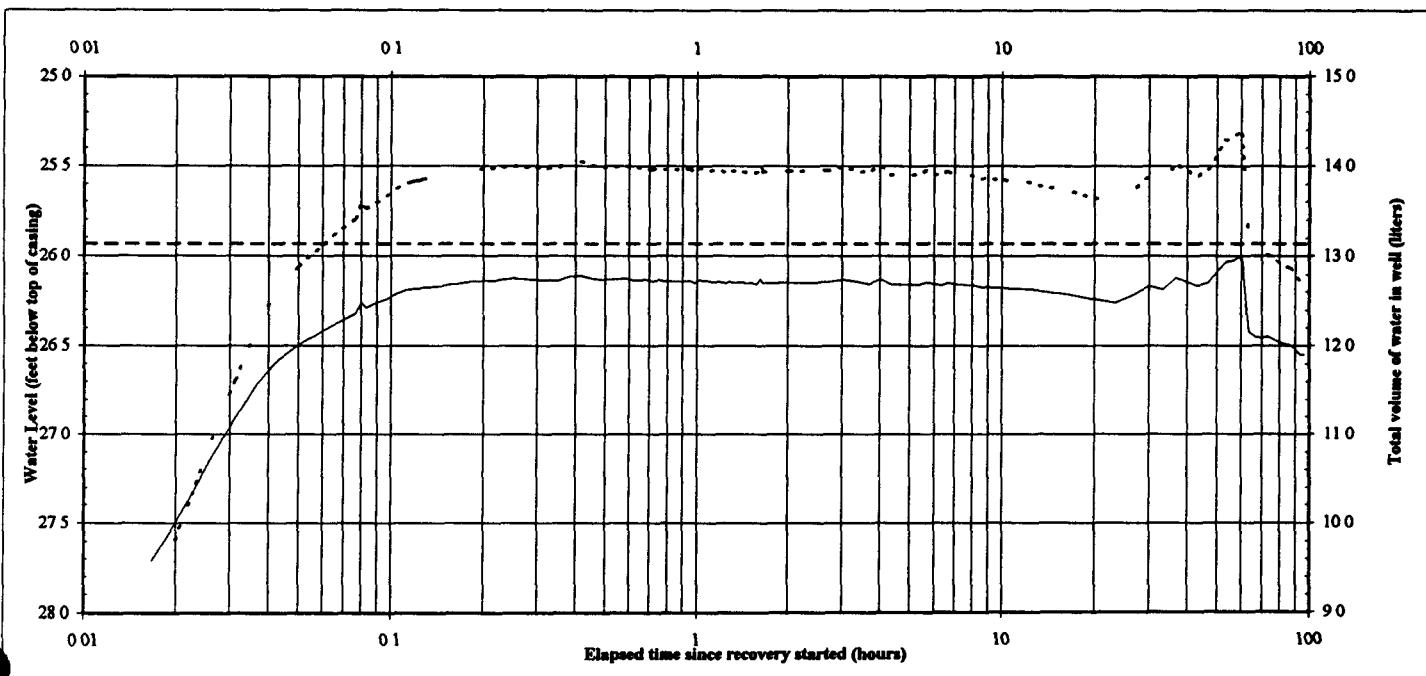
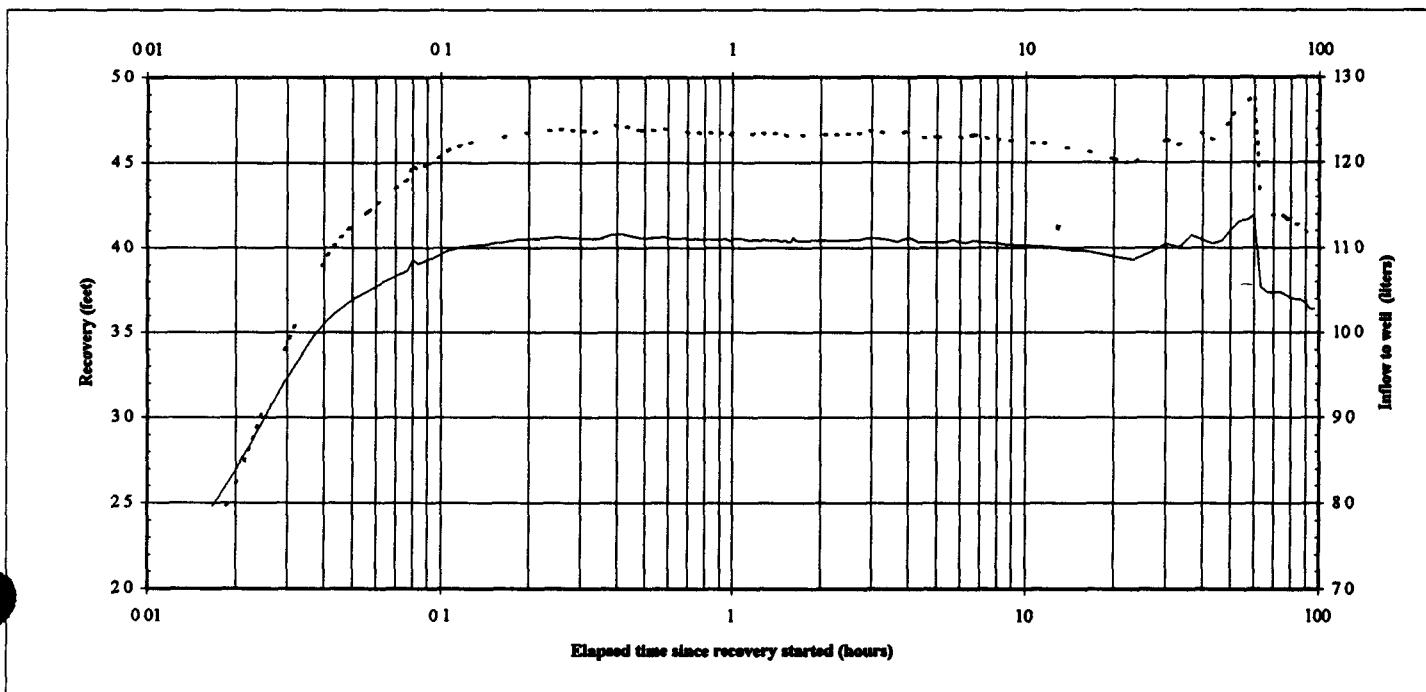
Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
0 567		-0 520	0 0261	1 56660	0 520	26 51	1 59E+00	2.92
0 583		-0 530	0 0264	1 58330	0 530	26 50	1 62E+00	2.95
0 600		-0 523	0 0267	1 60000	0 523	26 50	1 60E+00	2.93
0 617		-0 533	0 0269	1 61660	0 533	26 49	1 63E+00	2.96
0 633		-0 533	0 0272	1 63330	0 533	26 49	1 63E+00	2.96
0 650		-0 545	0 0275	1 65000	0 545	26 48	1 66E+00	3.00
0 667		-0 536	0 0278	1 66660	0 536	26 49	1 64E+00	2.97
0 683		-0 542	0 0281	1 68330	0 542	26 48	1 65E+00	2.99
0 700		-0 555	0 0283	1 70000	0 555	26 47	1 69E+00	3.03
0 717		-0 549	0 0286	1 71660	0 549	26 48	1 67E+00	3.01
0 733		-0 552	0 0289	1 73330	0 552	26 47	1 68E+00	3.02
0 750		-0 549	0 0292	1 75000	0 549	26 48	1 67E+00	3.01
0 767		-0 561	0 0294	1 76660	0 561	26 46	1 71E+00	3.04
0 783		-0 564	0 0297	1 78330	0 564	26 46	1 72E+00	3.05
0 800		-0 558	0 0300	1 80000	0 558	26 47	1 70E+00	3.04
0 817		-0 561	0 0303	1 81660	0 561	26 46	1 71E+00	3.04
0 833		-0 574	0 0306	1 83330	0 574	26 45	1 75E+00	3.08
0 850		-0 564	0 0308	1 85000	0 564	26 46	1 72E+00	3.05
0 867		-0 568	0 0311	1 86660	0 568	26 46	1 73E+00	3.07
0 883		-0 596	0 0314	1 88330	0 596	26 43	1 82E+00	3.15
0 900		-0 577	0 0317	1 90000	0 577	26 45	1 76E+00	3.09
0 917		-0 574	0 0319	1 91660	0 574	26 45	1 75E+00	3.08
0 933		-0 599	0 0322	1 93330	0 599	26 43	1 83E+00	3.16
0 950		-0 596	0 0325	1 95000	0 596	26 43	1 82E+00	3.15
0 967		-0 596	0 0328	1 96660	0 596	26 43	1 82E+00	3.15
0 983		-0 599	0 0331	1 98330	0 599	26 43	1 83E+00	3.16
1 000		-0 586	0 0333	2 00000	0 586	26 44	1 79E+00	3.12
1 200		-0 634	0 0367	2 20000	0 634	26 39	1 93E+00	3.27
1 400		-0 653	0 0400	2.40000	0 653	26 37	1 99E+00	3.33
1 600		-0 678	0 0433	2 60000	0 678	26 35	2 07E+00	3.40
1 800		-0 719	0 0467	2.80000	0 719	26 31	2.19E+00	3.53
2.000		-0 738	0 0500	3 00000	0 738	26 29	2.25E+00	3.58
2 200		-0 766	0 0533	3 20000	0 766	26 26	2.34E+00	3.67
2 400		-0 779	0 0567	3 40000	0 779	26 25	2.38E+00	3.71
2.600		-0 801	0 0600	3 60000	0 801	26 22	2.44E+00	3.78
2 800		-0 820	0 0633	3 80000	0 820	26 21	2.50E+00	3.83
3 000		-0 842	0 0667	4 00000	0 842	26 18	2.57E+00	3.90
3 200		-0 861	0 0700	4 20000	0 861	26 16	2.63E+00	3.96
3 400		-0 886	0 0733	4 40000	0 886	26 14	2 70E+00	4.04
3 600		-0 905	0 0767	4 60000	0 905	26 12	2.76E+00	4.09
3 800		-0 924	0 0800	4 80000	0 924	26 10	2.82E+00	4.15
4 000		-0 943	0 0833	5 00000	0 943	26 08	2.88E+00	4.21
4 200		-0 968	0 0867	5 20000	0 968	26 06	2.95E+00	4.29
4 400		-0 981	0 0900	5 40000	0 981	26 04	2 99E+00	4.33
4 600		-1 000	0 0933	5 60000	1 000	26 03	3 05E+00	4.38
4 800		-1 012	0 0967	5 80000	1 012	26 01	3 09E+00	4.42
5 000		-1 031	0 1000	6 00000	1 031	25 99	3 15E+00	4.48
5 200		-1 047	0 1033	6 20000	1 047	25 98	3 19E+00	4.53
5 400		-1 066	0 1067	6 40000	1 066	25 96	3 25E+00	4.59
5 600		-1 082	0 1100	6 60000	1 082	25 94	3 30E+00	4.63
5 800		-1 098	0 1133	6 80000	1 098	25 93	3 35E+00	4.68
6 000		-1 113	0 1167	7 00000	1 113	25 91	3 40E+00	4.73
6 200		-1 129	0 1200	7 20000	1 129	25 90	3 44E+00	4.78
6 400		-1 145	0 1233	7 40000	1 145	25 88	3 49E+00	4.83
6 600		-1 158	0 1267	7 60000	1 158	25 87	3 53E+00	4.87
6 800		-1 173	0 1300	7 80000	1 173	25 85	3 58E+00	4.91
7 000		-1 189	0 1333	8 00000	1 189	25 84	3 63E+00	4.96
7 200		-1 202	0 1367	8 20000	1 202	25 82	3 67E+00	5.00
7 400		-1 218	0 1400	8 40000	1 218	25 81	3 72E+00	5.05
7 600		-1 230	0 1433	8 60000	1 230	25 80	3 75E+00	5.09
7 800		-1 246	0 1467	8 80000	1 246	25 78	3 80E+00	5.13
8 000		-1 262	0 1500	9 00000	1 262	25 76	3 85E+00	5.18
8 200		-1 274	0 1533	9 20000	1 274	25 75	3 89E+00	5.22
8 400		-1 287	0 1567	9 40000	1 287	25 74	3 93E+00	5.26
8 600		-1 300	0 1600	9 60000	1 300	25 73	3 97E+00	5.30
8 800		-1 315	0 1633	9 80000	1 315	25 71	4 01E+00	5.34
9 000		-1 325	0 1667	10 00000	1 325	25 70	4 04E+00	5.38
9 200		-1 344	0 1700	10 20000	1 344	25 68	4 10E+00	5.43
9 400		-1 353	0 1733	10 40000	1 353	25 67	4 13E+00	5.46
9 600		-1 363	0 1767	10 60000	1 363	25 66	4 16E+00	5.49
9 800		-1 375	0 1800	10 80000	1 375	25 65	4 19E+00	5.53
10 000		-1 388	0 1833	11 00000	1 388	25 64	4 23E+00	5.57
12 000		-1 505	0 2167	13 00000	1 505	25 52	4 59E+00	5.92
14 000		-1 596	0 2500	15 00000	1 596	25 43	4 87E+00	6.20

Input data		Transducer (minutes)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
Elapsed Time (minutes)	Δ head (feet)							
16 000	-1 688	0 2833	17 00000	1 688	25 34	5 15E+00	6 48	
18 000	-1 770	0 3167	19 00000	1 770	25 26	5 40E+00	6 73	
20 000	-1 849	0 3500	21 00000	1 849	25 18	5 64E+00	6 97	
22 000	-1 924	0 3833	23 00000	1 924	25 10	5 87E+00	7 20	
24 000	-1 994	0 4167	25 00000	1 994	25 03	6 08E+00	7 42	
26 000	-2 054	0 4500	27 00000	2 054	24 97	6 27E+00	7 60	
28 000	-2 095	0 4833	29 00000	2 095	24 93	6 39E+00	7 72	
30 000	-2 123	0 5167	31 00000	2 123	24 90	6 48E+00	7 81	
32 000	-2 152	0 5500	33 00000	2 152	24 87	6 56E+00	7 90	
34 000	-2 174	0 5833	35 00000	2 174	24 85	6 63E+00	7 97	
36 000	-2 193	0 6167	37 00000	2 193	24 83	6 69E+00	8 02	
38 000	-2 209	0 6500	39 00000	2 209	24 82	6 74E+00	8 07	
40 000	-2 224	0 6833	41 00000	2 224	24 80	6 78E+00	8 12	
42 000	-2 240	0 7167	43 00000	2 240	24 79	6 83E+00	8 17	
44 000	-2 253	0 7500	45 00000	2 253	24 77	6 87E+00	8 21	
46 000	-2 265	0 7833	47 00000	2 265	24 76	6 91E+00	8 24	
48 000	-2 281	0 8167	49 00000	2 281	24 74	6 96E+00	8 29	
50 000	-2 294	0 8500	51 00000	2 294	24 73	7 00E+00	8 33	
52 000	-2 306	0 8833	53 00000	2 306	24 72	7 03E+00	8 37	
54 000	-2 319	0 9167	55 00000	2 319	24 71	7 07E+00	8 41	
56 000	-2 332	0 9500	57 00000	2 332	24 69	7 11E+00	8 45	
58 000	-2 341	0 9833	59 00000	2 341	24 68	7 14E+00	8 47	
60 000	-2 351	1 0167	61 00000	2 351	24 67	7 17E+00	8 51	
62 000	-2 363	1 0500	63 00000	2 363	24 66	7 21E+00	8 54	
64 000	-2 373	1 0833	65 00000	2 373	24 65	7 24E+00	8 57	
66 000	-2 382	1 1167	67 00000	2 382	24 64	7 27E+00	8 60	
68 000	-2 392	1 1500	69 00000	2 392	24 63	7 30E+00	8 63	
70 000	-2 401	1 1833	71 00000	2 401	24 62	7 32E+00	8 66	
72 000	-2 410	1 2167	73 00000	2 410	24 62	7 35E+00	8 69	
74 000	-2 420	1 2500	75 00000	2 420	24 61	7 38E+00	8 72	
76 000	-2 429	1 2833	77 00000	2 429	24 60	7 41E+00	8 74	
78 000	-2 439	1 3167	79 00000	2 439	24 59	7 44E+00	8 77	
80 000	-2 445	1 3500	81 00000	2 445	24 58	7 46E+00	8 79	
82 000	-2 455	1 3833	83 00000	2 455	24 57	7 49E+00	8 82	
84 000	-2 464	1 4167	85 00000	2 464	24 56	7 52E+00	8 85	
86 000	-2 470	1 4500	87 00000	2 470	24 56	7 54E+00	8 87	
88 000	-2 480	1 4833	89 00000	2 480	24 55	7 57E+00	8 90	
90 000	-2 489	1 5167	91 00000	2 489	24 54	7 59E+00	8 93	
92 000	-2 499	1 5500	93 00000	2 499	24 53	7 62E+00	8 96	
94 000	-2 508	1 5833	95 00000	2 508	24 52	7 65E+00	8 98	
96 000	-2 518	1 6167	97 00000	2 518	24 51	7 68E+00	9 01	
98 000	-2 527	1 6500	99 00000	2 527	24 50	7 71E+00	9 04	
100 000	-2 540	1 6833	101 00000	2 540	24 49	7 75E+00	9 08	
120 000	-2 628	2 0167	121 00000	2 628	24 40	8 02E+00	9 35	
140 000	-2 710	2 3500	141 00000	2 710	24 32	8 27E+00	9 60	
160 000	-2 783	2 6833	161 00000	2 783	24 24	8 49E+00	9 82	
180 000	-2 855	3 0167	181 00000	2 855	24 17	8 71E+00	10 04	
200 000	-2 922	3 3500	201 00000	2 922	24 10	8 91E+00	10 25	
220 000	-2 982	3 6833	221 00000	2 982	24 04	9 10E+00	10 43	
240 000	-3 042	4 0167	241 00000	3 042	23 98	9 28E+00	10 61	
260 000	-3 095	4 3500	261 00000	3 095	23 93	9 44E+00	10 77	
280 000	-3 149	4 6833	281 00000	3 149	23 88	9 61E+00	10 94	
300 000	-3 196	5 0167	301 00000	3 196	23 83	9 75E+00	11 08	
320 000	-3 244	5 3500	321 00000	3 244	23 78	9 90E+00	11 23	
340 000	-3 288	5 6833	341 00000	3 288	23 74	1 00E+01	11 36	
360 000	-3 329	6 0167	361 00000	3 329	23 70	1 02E+01	11 49	
380 000	-3 370	6 3500	381 00000	3 370	23 66	1 03E+01	11 61	
400 000	-3 408	6 6833	401 00000	3 408	23 62	1 04E+01	11 73	
420 000	-3 442	7 0167	421 00000	3 442	23 58	1 05E+01	11 83	
440 000	-3 480	7 3500	441 00000	3 480	23 55	1 06E+01	11 95	
460 000	-3 515	7 6833	461 00000	3 515	23 51	1 07E+01	12 06	
480 000	-3 550	8 0167	481 00000	3 550	23 48	1 08E+01	12 16	
500 000	-3 581	8 3500	501 00000	3 581	23 44	1 09E+01	12 26	
520 000	-3 616	8 6833	521 00000	3 616	23 41	1 10E+01	12 36	
540 000	-3 651	9 0167	541 00000	3 651	23 37	1 11E+01	12 47	
560 000	-3 685	9 3500	561 00000	3 685	23 34	1 12E+01	12 57	
580 000	-3 717	9 6833	581 00000	3 717	23 31	1 13E+01	12 67	
600 000	-3 749	10 0167	601 00000	3 749	23 28	1 14E+01	12 77	
620 000	-3 780	10 3500	621 00000	3 780	23 25	1 15E+01	12 86	
640 000	-3 812	10 6833	641 00000	3 812	23 21	1 16E+01	12 96	
660 000	-3 843	11 0167	661 00000	3 843	23 18	1 17E+01	13 06	
680 000	-3 872	11 3500	681 00000	3 872	23 15	1 18E+01	13 15	
700 000	-3 900	11 6833	701 00000	3 900	23 13	1 19E+01	13 23	
720 000	-3 928	12 0167	721 00000	3 928	23 10	1 20E+01	13 32	

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
740 000	-3 954	12.3500	741 00000	3 954	23 07	1 21E+01	13 40	
760 000	-3 985	12.6833	761 00000	3 985	23 04	1 22E+01	13 49	
780 000	-4 010	13 0167	781 00000	4 010	23 02	1 22E+01	13 57	
800 000	-4 042	13 3500	801 00000	4 042	22 98	1 23E+01	13 66	
820 000	-4 070	13 6833	821 00000	4 070	22 96	1 24E+01	13 75	
840 000	-4 102	14 0167	841 00000	4 102	22 92	1 25E+01	13 85	
860 000	-4 127	14 3500	861 00000	4 127	22 90	1 26E+01	13 92	
880 000	-4 149	14 6833	881 00000	4 149	22 88	1 27E+01	13 99	
900 000	-4 171	15 0167	901 00000	4 171	22 85	1 27E+01	14 06	
920 000	-4 187	15 3500	921 00000	4 187	22 84	1 28E+01	14 11	
940 000	-4 206	15 6833	941 00000	4 206	22 82	1 28E+01	14 16	
960 000	-4 219	16 0167	961 00000	4 219	22 81	1 29E+01	14 20	
980 000	-4 235	16 3500	981 00000	4 235	22.79	1 29E+01	14 25	
1000 000	-4 247	16 6833	1001 00000	4 247	22 78	1 30E+01	14 29	
1200 000	-4 345	20 0167	1201 00000	4 345	22.68	1 33E+01	14 59	
1400 000	-4 449	23 3500	1401 00000	4 449	22 58	1 36E+01	14 91	
1600 000	-4 531	26 6833	1601 00000	4 531	22 49	1 38E+01	15 16	
1800 000	-4 591	30 0167	1801 00000	4 591	22 43	1 40E+01	15 34	
2000 000	-4 629	33 3500	2001 00000	4 629	22 40	1 41E+01	15 45	
2200 000	-4 654	36 6833	2201 00000	4 654	22.37	1 42E+01	15 53	
2400 000	-4 673	40 0167	2401 00000	4 673	22 35	1 43E+01	15 59	
2600 000	-4 676	43 3500	2601 00000	4 676	22 35	1 43E+01	15 60	
2800 000	-4 705	46 6833	2801 00000	4 705	22 32	1 44E+01	15 69	

Well No. 71693
 Measured recovery after sampling Date: 9-Jun-94
 2nd quarter 1994

Pre-sampling Static Water Level
 - - - - - Water Level
 - - - - - Volume



Bottom of well at 30 31 fbc

Well No.

71693

Date Sampled

2nd quarter
9-Jun-94

Final bail time	12:53		Delay	1 00	Minutes
Set transducer time	12:43				
Static Water Level (pre-sampling)	27.3	feet below top of casing			
Final water level (post-sampling)	26.3	feet below top of casing			
Last recorded water level	27.7	feet below transducer			
Transducer Reference Depth	30.2	feet below top of casing			
Bottom of well	30.3	feet below top of casing			
First recorded water level	27.5	feet below transducer			
First recorded water level	27.7	feet below top of casing			
Water column remaining in casing after purging	2.6	feet			
Volume remaining in casing after purging	1.6	liters			
Well Diameter	3.0	inches	0.583	feet	
Well Radius	3.5	inches	0.292	feet	
Casing Diameter	2.8	inches	0.167	feet	
Casing radius	1.0	inches	0.083	feet	
Effective well radius	2.2	inches	0.185	feet	
Top of sandpack	14.8	feet below top of casing			
				0.62	liter/foot
				3.05	liter/foot

Input	data	Elapsed Time	Elapsed Time	Elapsed Time since	Recovery	water level	Cumulative	Volume of
Transducer		Elapsed Time	Δ head	(hours)	(Feet of water)	(ftbc)	Inflow	water in well
(minutes)	(feet)	(minutes)	(feet)				(Liters)	(Liters)
0 000	-2.478	0 0167	0 0167	1 00000	2.478	27.71		
0 003	-2.481	0 0167	0 0168	1 00330	2.481	27.71	7.57E+00	9.17
0 007	-2.484	0 0168	0 0168	1 00660	2.484	27.71	7.58E+00	9.18
0 010	-2.490	0 0168	0 0168	1 01000	2.490	27.70	7.60E+00	9.20
0 013	-2.494	0 0169	0 0169	1 01330	2.494	27.70	7.61E+00	9.21
0 017	-2.497	0 0169	0 0169	1 01660	2.497	27.69	7.62E+00	9.22
0 020	-2.500	0 0170	0 0170	1 02000	2.500	27.69	7.63E+00	9.23
0 023	-2.503	0 0171	0 0171	1 02330	2.503	27.69	7.64E+00	9.24
0 027	-2.506	0 0171	0 0171	1 02660	2.506	27.68	7.64E+00	9.25
0 030	-2.512	0 0172	0 0172	1 03000	2.512	27.68	7.66E+00	9.27
0 033	-2.516	0 0172	0 0172	1 03330	2.516	27.67	7.68E+00	9.28
0 037	-2.519	0 0173	0 0173	1 03660	2.519	27.67	7.68E+00	9.29
0 040	-2.522	0 0173	0 0173	1 04000	2.522	27.67	7.69E+00	9.30
0 043	-2.525	0 0174	0 0174	1 04330	2.525	27.67	7.70E+00	9.31
0 047	-2.528	0 0174	0 0174	1 04660	2.528	27.66	7.71E+00	9.32
0 050	-2.535	0 0175	0 0175	1 05000	2.535	27.66	7.73E+00	9.34
0 053	-2.538	0 0176	0 0176	1 05330	2.538	27.65	7.74E+00	9.35
0 057	-2.541	0 0176	0 0176	1 05660	2.541	27.65	7.75E+00	9.36
0 060	-2.544	0 0177	0 0177	1 06000	2.544	27.65	7.76E+00	9.37
0 063	-2.547	0 0177	0 0177	1 06330	2.547	27.64	7.77E+00	9.38
0 067	-2.553	0 0178	0 0178	1 06660	2.553	27.64	7.79E+00	9.39
0 070	-2.557	0 0178	0 0178	1 07000	2.557	27.63	7.80E+00	9.41
0 073	-2.560	0 0179	0 0179	1 07330	2.560	27.63	7.81E+00	9.41
0 077	-2.563	0 0179	0 0179	1 07660	2.563	27.63	7.82E+00	9.42
0 080	-2.566	0 0180	0 0180	1 08000	2.566	27.62	7.83E+00	9.43
0 083	-2.569	0 0181	0 0181	1 08330	2.569	27.62	7.84E+00	9.44
0 087	-2.572	0 0181	0 0181	1 08660	2.572	27.62	7.85E+00	9.45
0 090	-2.579	0 0182	0 0182	1 09000	2.579	27.61	7.87E+00	9.47
0 093	-2.582	0 0182	0 0182	1 09330	2.582	27.61	7.88E+00	9.48
0 097	-2.585	0 0183	0 0183	1 09660	2.585	27.61	7.89E+00	9.49
0 100	-2.588	0 0183	0 0183	1 10000	2.588	27.60	7.89E+00	9.50
0 103	-2.591	0 0184	0 0184	1 10330	2.591	27.60	7.90E+00	9.51
0 107	-2.594	0 0184	0 0184	1 10660	2.594	27.60	7.91E+00	9.52
0 110	-2.597	0 0185	0 0185	1 11000	2.597	27.59	7.92E+00	9.53
0 113	-2.604	0 0186	0 0186	1 11330	2.604	27.59	7.94E+00	9.55
0 117	-2.607	0 0186	0 0186	1 11660	2.607	27.58	7.95E+00	9.56
0 120	-2.610	0 0187	0 0187	1 12000	2.610	27.58	7.96E+00	9.57
0 123	-2.613	0 0187	0 0187	1 12330	2.613	27.58	7.97E+00	9.58
0 127	-2.616	0 0188	0 0188	1 12660	2.616	27.57	7.98E+00	9.59

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 130	-2.620	0 0188	1 13000	2.620	27 57	7 99E+00	9 60
0 133	-2.623	0 0189	1 13330	2.623	27 57	8 00E+00	9 61
0 137	-2.626	0 0189	1 13660	2.626	27 56	8 01E+00	9 62
0 140	-2.632	0 0190	1 14000	2.632	27 56	8 03E+00	9 63
0 143	-2.635	0 0191	1 14330	2.635	27 56	8 04E+00	9 64
0 147	-2.638	0 0191	1 14660	2.638	27 55	8 05E+00	9 65
0 150	-2.642	0 0192	1 15000	2.642	27 55	8 06E+00	9 66
0 153	-2.645	0 0192	1 15330	2.645	27 55	8 07E+00	9 67
0 157	-2.648	0 0193	1 15660	2.648	27 54	8 08E+00	9 68
0 160	-2.654	0 0193	1 16000	2.654	27 54	8 10E+00	9 70
0 163	-2.654	0 0194	1 16330	2.654	27 54	8 10E+00	9 70
0 167	-2.660	0 0194	1 16660	2.660	27 53	8 11E+00	9 72
0 170	-2.664	0 0195	1 17000	2.664	27 53	8 13E+00	9 73
0 173	-2.667	0 0196	1 17330	2.667	27 52	8 14E+00	9 74
0 177	-2.670	0 0196	1 17660	2.670	27 52	8 15E+00	9 75
0 180	-2.673	0 0197	1 18000	2.673	27 52	8 15E+00	9 76
0 183	-2.676	0 0197	1 18330	2.676	27 51	8 16E+00	9 77
0 187	-2.679	0 0198	1 18660	2.679	27 51	8 17E+00	9 78
0 190	-2.683	0 0198	1 19000	2.683	27 51	8 18E+00	9 79
0 193	-2.689	0 0199	1 19330	2.689	27 50	8 20E+00	9 81
0 197	-2.692	0 0199	1 19660	2.692	27 50	8 21E+00	9 82
0 200	-2.695	0 0200	1 20000	2.695	27 50	8 22E+00	9 83
0 203	-2.698	0 0201	1 20330	2.698	27 49	8 23E+00	9 84
0 207	-2.701	0 0201	1 20660	2.701	27 49	8 24E+00	9 84
0 210	-2.705	0 0202	1 21000	2.705	27 49	8 25E+00	9 86
0 213	-2.708	0 0202	1 21330	2.708	27 48	8 26E+00	9 87
0 217	-2.711	0 0203	1 21660	2.711	27 48	8 27E+00	9 88
0 220	-2 714	0 0203	1 22000	2.714	27 48	8 28E+00	9 88
0 223	-2.720	0 0204	1 22330	2.720	27 47	8 30E+00	9 90
0 227	-2 724	0 0204	1 22660	2.724	27 47	8 31E+00	9 92
0 230	-2.727	0 0205	1 23000	2.727	27 46	8 32E+00	9 92
0 233	-2.730	0 0206	1 23330	2.730	27 46	8 33E+00	9 93
0 237	-2.733	0 0206	1 23660	2.733	27 46	8 34E+00	9 94
0 240	-2.736	0 0207	1 24000	2.736	27 45	8 35E+00	9 95
0 243	-2.739	0 0207	1 24330	2.739	27 45	8 36E+00	9 96
0 247	-2.742	0 0208	1 24660	2 742	27 45	8 36E+00	9 97
0 250	-2.746	0 0208	1 25000	2.746	27 44	8 38E+00	9 98
0 253	-2.749	0 0209	1 25330	2.749	27 44	8 39E+00	9 99
0 257	-2.752	0 0209	1 25660	2.752	27 44	8 40E+00	10 00
0 260	-2.758	0 0210	1 26000	2.758	27 43	8 41E+00	10 02
0 263	-2.761	0 0211	1 26330	2.761	27 43	8 42E+00	10 03
0 267	-2.764	0 0211	1 26660	2.764	27 43	8 43E+00	10 04
0 270	-2.768	0 0212	1 27000	2.768	27 42	8 44E+00	10 05
0 273	-2.771	0 0212	1 27330	2.771	27 42	8 45E+00	10 06
0 277	-2.774	0 0213	1 27660	2.774	27 42	8 46E+00	10 07
0 280	-2.777	0 0213	1 28000	2.777	27 41	8 47E+00	10 08
0 283	-2.780	0 0214	1 28330	2.780	27 41	8 48E+00	10 09
0 287	-2.783	0 0214	1 28660	2.783	27 41	8 49E+00	10 10
0 290	-2.787	0 0215	1 29000	2.787	27 40	8 50E+00	10 11
0 293	-2.790	0 0216	1 29330	2.790	27 40	8 51E+00	10 12
0 297	-2.793	0 0216	1 29660	2.793	27 40	8 52E+00	10 13
0 300	-2 796	0 0217	1 30000	2.796	27 39	8 53E+00	10 13
0 303	-2.799	0 0217	1 30330	2.799	27 39	8 54E+00	10 14
0 307	-2.802	0 0218	1 30660	2 802	27 39	8 55E+00	10 15
0 310	-2.805	0 0218	1 31000	2 805	27 39	8 56E+00	10 16
0 313	-2.809	0 0219	1 31330	2 809	27 38	8 57E+00	10 17
0 317	-2 812	0 0219	1 31660	2 812	27 38	8 58E+00	10 18
0 320	-2.815	0 0220	1 32000	2 815	27 38	8 59E+00	10 19
0 323	-2 818	0 0221	1 32330	2 818	27 37	8 60E+00	10 20
0 327	-2 824	0 0221	1 32660	2 824	27 37	8 61E+00	10 22
0 330	-2.827	0 0222	1 33000	2 827	27 36	8 62E+00	10 23
0 333	-2 831	0 0222	1 33330	2 831	27 36	8 64E+00	10 24
0 350	-2 846	0 0225	1 35000	2 846	27 34	8 68E+00	10 29
0 367	-2.865	0 0228	1 36660	2 865	27 33	8 74E+00	10 35
0 383	-2.881	0 0231	1 38330	2 881	27 31	8 79E+00	10 39
0 400	-2.900	0 0233	1 40000	2 900	27 29	8 85E+00	10 45
0 417	-2.916	0 0236	1 41660	2 916	27 27	8 90E+00	10 50
0 433	-2.931	0 0239	1 43330	2 931	27 26	8 94E+00	10 55
0 450	-2.947	0 0242	1 45000	2 947	27 24	8 99E+00	10 60
0 467	-2.963	0 0244	1 46660	2 963	27 23	9 04E+00	10 64
0 483	-2.979	0 0247	1 48330	2 979	27 21	9 09E+00	10 69
0 500	-2.994	0 0250	1 50000	2 994	27 20	9 13E+00	10 74
0 517	-3 010	0 0253	1 51660	3 010	27 18	9 18E+00	10 79

Input Transducer Elapsed Time (minutes)	data A head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
0 533	-3 026	0 0256	1 53330	3 026	27 16	9 23E+00	10 84
0 550	-3 042	0 0258	1 55000	3 042	27 15	9 28E+00	10 89
0 567	-3 054	0 0261	1 56660	3 054	27 14	9 32E+00	10 92
0 583	-3 070	0 0264	1 58330	3 070	27 12	9 37E+00	10 97
0 600	-3 083	0 0267	1 60000	3 083	27 11	9 41E+00	11 01
0 617	-3 098	0 0269	1 61660	3 098	27 09	9 45E+00	11 06
0 633	-3 111	0 0272	1 63330	3 111	27 08	9 49E+00	11 10
0 650	-3 124	0 0275	1 65000	3 124	27 07	9 53E+00	11 14
0 667	-3 136	0 0278	1 66660	3 136	27 05	9 57E+00	11 17
0 683	-3 149	0 0281	1 68330	3 149	27 04	9 61E+00	11 21
0 700	-3 165	0 0283	1 70000	3 165	27 03	9 66E+00	11 26
0 717	-3 174	0 0286	1 71660	3 174	27 02	9 68E+00	11 29
0 733	-3 187	0 0289	1 73330	3 187	27 00	9 72E+00	11 33
0 750	-3 199	0 0292	1 75000	3 199	26 99	9 76E+00	11 36
0 767	-3 212	0 0294	1 76660	3 212	26 98	9 80E+00	11 40
0 783	-3 221	0 0297	1 78330	3 221	26 97	9 83E+00	11 43
0 800	-3 234	0 0300	1 80000	3 234	26 96	9 87E+00	11 47
0 817	-3 243	0 0303	1 81660	3 243	26 95	9 89E+00	11 50
0 833	-3 256	0 0306	1 83330	3 256	26 93	9 93E+00	11 54
0 850	-3 265	0 0308	1 85000	3 265	26 93	9 96E+00	11 57
0 867	-3 278	0 0311	1 86660	3 278	26 91	1 00E+01	11 61
0 883	-3 287	0 0314	1 88330	3 287	26 90	1 00E+01	11 63
0 900	-3 300	0 0317	1 90000	3 300	26 89	1 01E+01	11 67
0 917	-3 310	0 0319	1 91660	3 310	26 88	1 01E+01	11 70
0 933	-3 319	0 0322	1 93330	3 319	26 87	1 01E+01	11 73
0 950	-3 328	0 0325	1 95000	3 328	26 86	1 02E+01	11 76
0 967	-3 338	0 0328	1 96660	3 338	26 85	1 02E+01	11 79
0 983	-3 347	0 0331	1 98330	3 347	26 84	1 02E+01	11 82
1 000	-3 357	0 0333	2 00000	3 357	26 83	1 02E+01	11 85
1 200	-3 476	0 0367	2.20000	3 476	26.71	1 06E+01	12.21
1 400	-3 555	0 0400	2.40000	3 555	26.64	1 08E+01	12.45
1 600	-3 612	0 0433	2.60000	3 612	26.58	1 10E+01	12.62
1 800	-3 656	0 0467	2.80000	3 656	26.53	1 12E+01	12.76
2 000	-3 694	0 0500	3 00000	3 694	26.50	1 13E+01	12.87
2 200	-3 722	0 0533	3 20000	3 722	26.47	1 14E+01	12.96
2 400	-3 747	0 0567	3 40000	3 747	26.44	1 14E+01	13.04
2 600	-3 773	0 0600	3 60000	3 773	26.42	1 15E+01	13.12
2 800	-3 798	0 0633	3 80000	3 798	26.39	1 16E+01	13.19
3 000	-3 817	0 0667	4 00000	3 817	26.37	1 16E+01	13.25
3 200	-3 836	0 0700	4 20000	3 836	26.35	1 17E+01	13.31
3 400	-3 851	0 0733	4 40000	3 851	26.34	1 17E+01	13.35
3 600	-3 867	0 0767	4 60000	3 867	26.32	1 18E+01	13.40
3 800	-3 930	0 0800	4 80000	3 930	26.26	1 20E+01	13.59
4 000	-3 905	0 0833	5 00000	3 905	26.29	1 19E+01	13.52
4 200	-3 918	0 0867	5 20000	3 918	26.27	1 20E+01	13.56
4 400	-3 930	0 0900	5 40000	3 930	26.26	1 20E+01	13.59
4 600	-3 937	0 0933	5 60000	3 937	26.25	1 20E+01	13.62
4 800	-3 949	0 0967	5 80000	3 949	26.24	1 20E+01	13.65
5 000	-3 962	0 1000	6 00000	3 962	26.23	1 21E+01	13.69
5 200	-3 974	0 1033	6 20000	3 974	26.22	1 21E+01	13.73
5 400	-3 984	0 1067	6 40000	3 984	26.21	1 22E+01	13.76
5 600	-3 993	0 1100	6 60000	3 993	26.20	1 22E+01	13.79
5 800	-4 000	0 1133	6 80000	4 000	26.19	1 22E+01	13.81
6 000	-4 003	0 1167	7 00000	4 003	26.19	1 22E+01	13.82
6 200	-4 009	0 1200	7 20000	4 009	26.18	1 22E+01	13.84
6 400	-4 009	0 1233	7 40000	4 009	26.18	1 22E+01	13.84
6 600	-4 015	0 1267	7 60000	4 015	26.18	1 22E+01	13.85
6 800	-4 015	0 1300	7 80000	4 015	26.18	1 22E+01	13.85
7 000	-4 015	0 1333	8 00000	4 015	26.18	1 22E+01	13.85
7 200	-4 018	0 1367	8 20000	4 018	26.17	1 23E+01	13.86
7 400	-4 018	0 1400	8 40000	4 018	26.17	1 23E+01	13.86
7 600	-4 022	0 1433	8 60000	4 022	26.17	1 23E+01	13.87
7 800	-4 022	0 1467	8 80000	4 022	26.17	1 23E+01	13.87
8 000	-4 025	0 1500	9 00000	4 025	26.17	1 23E+01	13.88
8 200	-4 028	0 1533	9 20000	4 028	26.16	1 23E+01	13.89
8 400	-4 031	0 1567	9 40000	4 031	26.16	1 23E+01	13.90
8 600	-4 031	0 1600	9 60000	4 031	26.16	1 23E+01	13.90
8 800	-4 034	0 1633	9 80000	4 034	26.16	1 23E+01	13.91
9 000	-4 037	0 1667	10 00000	4 037	26.15	1 23E+01	13.92
9 200	-4 041	0 1700	10 20000	4 041	26.15	1 23E+01	13.93
9 400	-4 044	0 1733	10 40000	4 044	26.15	1 23E+01	13.94
9 600	-4 044	0 1767	10 60000	4 044	26.15	1 23E+01	13.94
9 800	-4 047	0 1800	10 80000	4 047	26.14	1 23E+01	13.95

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
10 000	-4 050	0 1833	11 00000	4 050	26 14	1 24E+01	13 96
12 000	-4 053	0 2167	13 00000	4 053	26 14	1 24E+01	13 97
14 000	-4 066	0 2500	15 00000	4 066	26 12	1 24E+01	14 01
16 000	-4 059	0 2833	17 00000	4 059	26.13	1 24E+01	13 99
18 000	-4 056	0 3167	19 00000	4 056	26 13	1 24E+01	13 98
20 000	-4 053	0 3500	21 00000	4 053	26 14	1 24E+01	13 97
22 000	-4 078	0 3833	23 00000	4 078	26.11	1 24E+01	14 05
24 000	-4 082	0 4167	25 00000	4 082	26 11	1 25E+01	14 06
26 000	-4 069	0 4500	27 00000	4 069	26 12	1 24E+01	14 02
28 000	-4 059	0 4833	29 00000	4 059	26 13	1 24E+01	13 99
30 000	-4 059	0 5167	31 00000	4 059	26 13	1 24E+01	13 99
32 000	-4 063	0 5500	33 00000	4 063	26 13	1 24E+01	14 00
34 000	-4 066	0 5833	35 00000	4 066	26 12	1 24E+01	14 01
36 000	-4 056	0 6167	37 00000	4 056	26 13	1 24E+01	13 98
38 000	-4 056	0 6500	39 00000	4 056	26 13	1 24E+01	13 98
40 000	-4 059	0 6833	41 00000	4 059	26 13	1 24E+01	13 99
42 000	-4 050	0 7167	43 00000	4 050	26 14	1 24E+01	13 96
44 000	-4 056	0 7500	45 00000	4 056	26 13	1 24E+01	13 98
46 000	-4 050	0 7833	47 00000	4 050	26 14	1 24E+01	13 96
48 000	-4 050	0 8167	49 00000	4 050	26 14	1 24E+01	13 96
50 000	-4 050	0 8500	51 00000	4 050	26.14	1 24E+01	13 96
52 000	-4 050	0 8833	53 00000	4 050	26 14	1 24E+01	13 96
54 000	-4 050	0 9167	55 00000	4 050	26 14	1 24E+01	13 96
56 000	-4 053	0 9500	57 00000	4 053	26.14	1 24E+01	13 97
58 000	-4 041	0 9833	59 00000	4 041	26 15	1 23E+01	13 93
60 000	-4 056	1 0167	61 00000	4 056	26 13	1 24E+01	13 98
62 000	-4 053	1 0500	63 00000	4 053	26.14	1 24E+01	13 97
64 000	-4 053	1 0833	65 00000	4 053	26.14	1 24E+01	13 97
66 000	-4 047	1 1167	67 00000	4 047	26 14	1 23E+01	13 95
68 000	-4 044	1 1500	69 00000	4 044	26 15	1 23E+01	13 94
70 000	-4 047	1 1833	71 00000	4 047	26.14	1 23E+01	13 95
72 000	-4 044	1 2167	73 00000	4 044	26 15	1 23E+01	13 94
74 000	-4 041	1 2500	75 00000	4 041	26.15	1 23E+01	13 93
76 000	-4 050	1 2833	77 00000	4 050	26.14	1 24E+01	13 96
78 000	-4 044	1 3167	79 00000	4 044	26 15	1 23E+01	13 94
80 000	-4 044	1 3500	81 00000	4 044	26 15	1 23E+01	13 94
82 000	-4 047	1 3833	83 00000	4 047	26.14	1 23E+01	13 95
84 000	-4 047	1 4167	85 00000	4 047	26.14	1 23E+01	13 95
86 000	-4 041	1 4500	87 00000	4 041	26 15	1 23E+01	13 93
88 000	-4 041	1 4833	89 00000	4 041	26 15	1 23E+01	13 93
90 000	-4 044	1 5167	91 00000	4 044	26 15	1 23E+01	13 94
92 000	-4 037	1 5500	93 00000	4 037	26 15	1 23E+01	13 92
94 000	-4 037	1 5833	95 00000	4 037	26 15	1 23E+01	13 92
96 000	-4 063	1 6167	97 00000	4 063	26.13	1 24E+01	14 00
98 000	-4 044	1 6500	99 00000	4 044	26 15	1 23E+01	13 94
100 000	-4 041	1 6833	101 00000	4 041	26 15	1 23E+01	13 93
120 000	-4 044	2.0167	121 00000	4 044	26 15	1 23E+01	13 94
140 000	-4 044	2.3500	141 00000	4 044	26 15	1 23E+01	13 94
160 000	-4 047	2.6833	161 00000	4 047	26 14	1 23E+01	13 95
180 000	-4 059	3 0167	181 00000	4 059	26.13	1 24E+01	13 99
200 000	-4 050	3 3500	201 00000	4 050	26.14	1 24E+01	13 96
220 000	-4 037	3 6833	221 00000	4 037	26 15	1 23E+01	13 92
240 000	-4 063	4 0167	241 00000	4 063	26 13	1 24E+01	14 00
260 000	-4 031	4 3500	261 00000	4 031	26 16	1 23E+01	13 90
280 000	-4 031	4 6833	281 00000	4 031	26 16	1 23E+01	13 90
300 000	-4 034	5 0167	301 00000	4 034	26 16	1 23E+01	13 91
320 000	-4 031	5 3500	321 00000	4 031	26 16	1 23E+01	13 90
340 000	-4 047	5 6833	341 00000	4 047	26 14	1 23E+01	13 95
360 000	-4 034	6 0167	361 00000	4 034	26.16	1 23E+01	13 91
380 000	-4 028	6 3500	381 00000	4 028	26 16	1 23E+01	13 89
400 000	-4 044	6 6833	401 00000	4 044	26.15	1 23E+01	13 94
420 000	-4 034	7 0167	421 00000	4 034	26 16	1 23E+01	13 91
440 000	-4 031	7 3500	441 00000	4 031	26 16	1 23E+01	13 90
460 000	-4 028	7 6833	461 00000	4 028	26 16	1 23E+01	13 89
480 000	-4 028	8 0167	481 00000	4 028	26.16	1 23E+01	13 89
500 000	-4 022	8 3500	501 00000	4 022	26.17	1 23E+01	13 87
520 000	-4 018	8 6833	521 00000	4 018	26 17	1 23E+01	13 86
540 000	-4 018	9 0167	541 00000	4 018	26 17	1 23E+01	13 86
560 000	-4 015	9 3500	561 00000	4 015	26 18	1 22E+01	13 85
580 000	-4 015	9 6833	581 00000	4 015	26 18	1 22E+01	13 85
600 000	-4 015	10 0167	601 00000	4 015	26 18	1 22E+01	13 85
620 000	-4 012	10 3500	621 00000	4 012	26 18	1 22E+01	13 84
640 000	-4 009	10 6833	641 00000	4 009	26 18	1 22E+01	13 84

Input Transducer Elapsed Time (minutes)	data Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (Liters)	Volume of water in well (Liters)
660 000	-4 009	11 0167	661 00000	4 009	26 18	1 22E+01	13 84
680 000	-4 009	11 3500	681 00000	4 009	26.18	1 22E+01	13 84
700 000	-4 009	11 6833	701 00000	4 009	26.18	1 22E+01	13 84
720 000	-4 009	12.0167	721 00000	4 009	26.18	1 22E+01	13 84
740 000	-4 003	12.3500	741 00000	4 003	26.19	1 22E+01	13 82
760 000	-4 003	12.6833	761 00000	4 003	26.19	1 22E+01	13 82
780 000	-3 996	13 0167	781 00000	3 996	26 19	1 22E+01	13 80
800 000	-3 993	13 3500	801 00000	3 993	26 20	1 22E+01	13 79
820 000	-3 990	13 6833	821 00000	3 990	26 20	1 22E+01	13 78
840 000	-3 990	14 0167	841 00000	3 990	26.20	1 22E+01	13 78
860 000	-3 987	14 3500	861 00000	3 987	26.20	1 22E+01	13 77
880 000	-3 984	14 6833	881 00000	3 984	26 21	1 22E+01	13 76
900 000	-3 984	15 0167	901 00000	3 984	26 21	1 22E+01	13 76
920 000	-3 984	15 3500	921 00000	3 984	26 21	1 22E+01	13 76
940 000	-3 981	15 6833	941 00000	3 981	26 21	1 21E+01	13 75
960 000	-3 978	16 0167	961 00000	3 978	26 21	1 21E+01	13 74
980 000	-3 978	16.3500	981 00000	3 978	26 21	1 21E+01	13 74
1000 000	-3 974	16.6833	1001 00000	3 974	26 22	1 21E+01	13 73
1200 000	-3 949	20 0167	1201 00000	3 949	26 24	1 20E+01	13 65
1400 000	-3 930	23 3500	1401 00000	3 930	26.26	1 20E+01	13 59
1600 000	-3 974	26.6833	1601 00000	3 974	26 22	1 21E+01	13 73
1800 000	-4 025	30 0167	1801 00000	4 025	26 17	1 23E+01	13 88
2000 000	-4 003	33 3500	2001 00000	4 003	26.19	1 22E+01	13 82
2200 000	-4 072	36 6833	2201 00000	4 072	26.12	1 24E+01	14 03
2400 000	-4 047	40 0167	2401 00000	4 047	26.14	1 23E+01	13 95
2600 000	-4 025	43 3500	2601 00000	4 025	26.17	1 23E+01	13 88
2800 000	-4 044	46 6833	2801 00000	4 044	26.15	1 23E+01	13 94
3000 000	-4 107	50 0167	3001 00000	4 107	26 08	1 25E+01	14 13
3200 000	-4 160	53 3500	3201 00000	4 160	26 03	1 27E+01	14 30
3400 000	-4 167	56.6833	3401 00000	4 167	26 02	1 27E+01	14 32
3600 000	-4 195	60 0167	3601 00000	4 195	26 00	1 28E+01	14 40
3800 000	-3 770	63 3500	3801 00000	3 770	26 42	1 15E+01	13 11
4000 000	-3 738	66 6833	4001 00000	3 738	26 45	1 14E+01	13 01
4200 000	-3 735	70 0167	4201 00000	3 735	26 46	1 14E+01	13 00
4400 000	-3 741	73 3500	4401 00000	3 741	26 45	1 14E+01	13 02
4600 000	-3 725	76 6833	4601 00000	3 725	26 47	1 14E+01	12.97
4800 000	-3 707	80 0167	4801 00000	3 707	26.48	1 13E+01	12.91
5000 000	-3 700	83 3500	5001 00000	3 700	26 49	1 13E+01	12 89
5200 000	-3 694	86 6833	5201 00000	3 694	26 50	1 13E+01	12.87
5400 000	-3 672	90 0167	5401 00000	3 672	26.52	1 12E+01	12 81
5600 000	-3 640	93 3500	5601 00000	3 640	26 55	1 11E+01	12 71
5800 000	-3 640	96 6833	5801 00000	3 640	26 55	1 11E+01	12.71

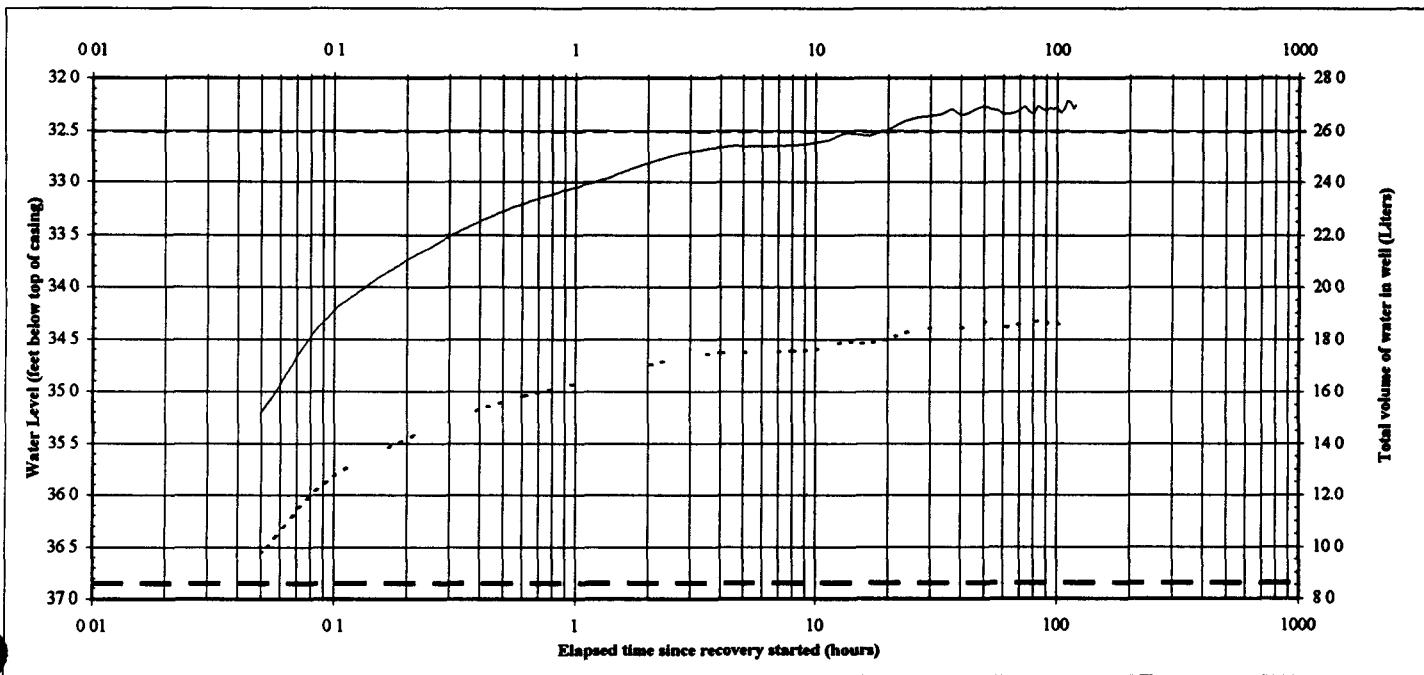
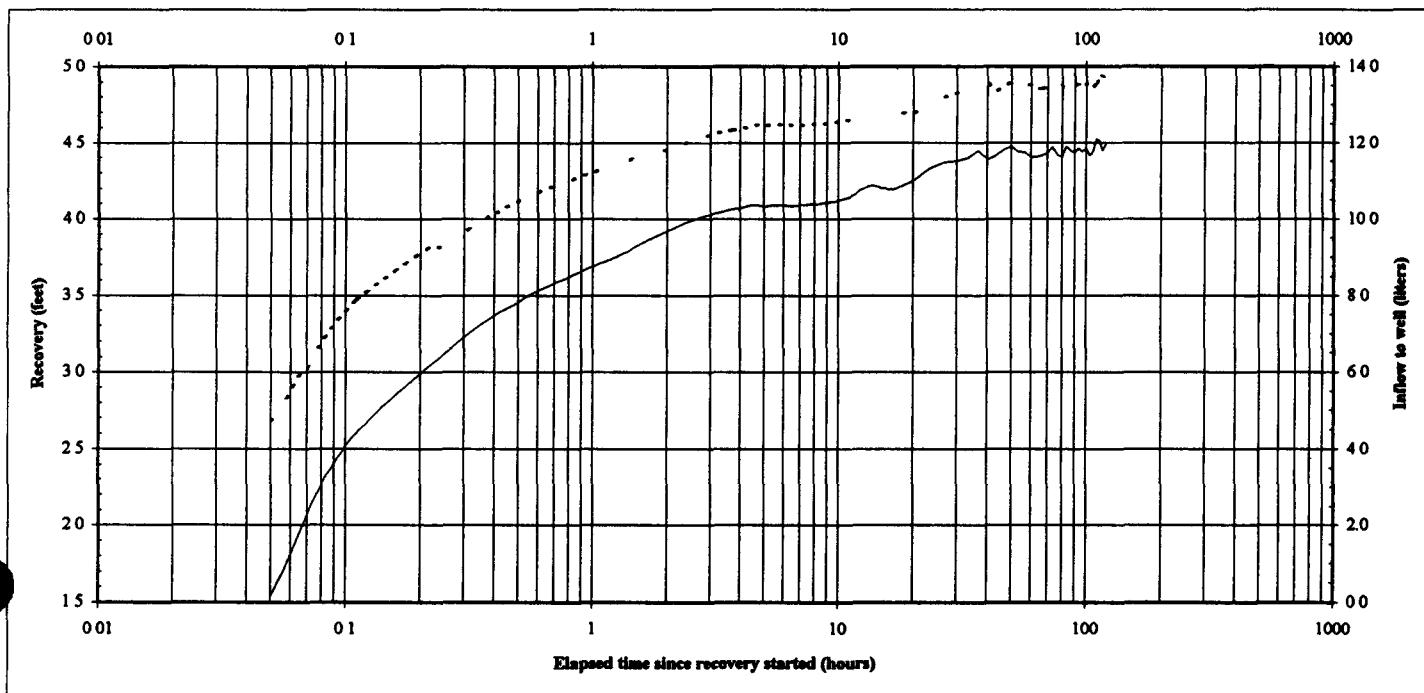
Well No. 72293

Measured recovery after sampling

Date: 20-Jul-94

3rd quarter 1994

- - - Pre-sampling
 - - - Static Water Level
 - - - Bottom of well
 - - - - Water Level
 - - - - Volume



Well No.

72293

Date Sampled

3rd quarter

20-JUL-94

Final bail time	16:05	Delay	3 00	Minutes
Set transducer time	16:08			
Static water level (pre-sampling)	32.4	feet below top of casing		
Final water level (post-recovery)	32.4	feet below top of casing		
Last recorded water level	34.5	feet below transducer		
Transducer Reference Depth	36.7	feet below top of casing		
Bottom of well	36.9	feet below top of casing		
First recorded water level	34.5	feet below transducer		
First recorded water level	35.2	feet below top of casing		
Water column remaining in casing after purging	1.7	feet		
Volume remaining in casing after purging	5.1	liters		
Well diameter	7.8	inches	0.583	feet
Well radius	3.5	inches	0.292	feet
Casing diameter	7.0	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	2.2	inches	0.185	feet
Top of sandpack	26.6	feet below top of casing		
			0.62 liters/foot	
			3.05 liters/foot	

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (hours)	Elapsed Time (feet)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	0 0500	-1 545	3 00000	1 545	35 19		
0 003	0 0501	-1 545	3 00330	1 545	35 19	4 71E+00	9 77
0 007	0 0501	-1 545	3 00660	1 545	35 19	4 71E+00	9 77
0 010	0 0502	-1 545	3 01000	1 545	35 19	4 71E+00	9 77
0 013	0 0502	-1 548	3 01330	1 548	35 19	4 72E+00	9 77
0 017	0 0503	-1 551	3 01660	1 551	35 19	4 73E+00	9 78
0 020	0 0503	-1 551	3 02000	1 551	35 19	4 73E+00	9 78
0 023	0 0504	-1 551	3 02330	1 551	35 19	4 73E+00	9 78
0 027	0 0504	-1 554	3 02660	1 554	35 19	4 74E+00	9 79
0 030	0 0505	-1 554	3 03000	1 554	35 19	4 74E+00	9 79
0 033	0 0506	-1 554	3 03330	1 554	35 19	4 74E+00	9 79
0 037	0 0506	-1 557	3 03660	1 557	35 18	4 75E+00	9 80
0 040	0 0507	-1 557	3 04000	1 557	35 18	4 75E+00	9 80
0 043	0 0507	-1 557	3 04330	1 557	35 18	4 75E+00	9 80
0 047	0 0508	-1 557	3 04660	1 557	35 18	4 75E+00	9 80
0 050	0 0508	-1 564	3 05000	1 564	35 18	4 77E+00	9 82
0 053	0 0509	-1 564	3 05330	1 564	35 18	4 77E+00	9 82
0 057	0 0509	-1 564	3 05660	1 564	35 18	4 77E+00	9 82
0 060	0 0510	-1 564	3 06000	1 564	35 18	4 77E+00	9 82
0 063	0 0511	-1 564	3 06330	1 564	35 18	4 77E+00	9 82
0 067	0 0511	-1 567	3 06660	1 567	35 17	4 78E+00	9 83
0 070	0 0512	-1 570	3 07000	1 570	35 17	4 79E+00	9 84
0 073	0 0512	-1 570	3 07330	1 570	35 17	4 79E+00	9 84
0 077	0 0513	-1 573	3 07660	1 573	35 17	4 80E+00	9 85
0 080	0 0513	-1 573	3 08000	1 573	35 17	4 80E+00	9 85
0 083	0 0514	-1 576	3 08330	1 576	35 16	4 81E+00	9 86
0 087	0 0514	-1 576	3 08660	1 576	35 16	4 81E+00	9 86
0 090	0 0515	-1 580	3 09000	1 580	35 16	4 82E+00	9 87
0 093	0 0516	-1 580	3 09330	1 580	35 16	4 82E+00	9 87
0 097	0 0516	-1 583	3 09660	1 583	35 16	4 83E+00	9 88
0 100	0 0517	-1 583	3 10000	1 583	35 16	4 83E+00	9 88
0 103	0 0517	-1 583	3 10330	1 583	35 16	4 83E+00	9 88
0 107	0 0518	-1 586	3 10660	1 586	35 15	4 84E+00	9 89
0 110	0 0518	-1 586	3 11000	1 586	35 15	4 84E+00	9 89
0 113	0 0519	-1 589	3 11330	1 589	35 15	4 85E+00	9 90
0 117	0 0519	-1 592	3 11660	1 592	35 15	4 86E+00	9 91
0 120	0 0520	-1 592	3 12000	1 592	35 15	4 86E+00	9 91
0 123	0 0521	-1 596	3 12330	1 596	35 14	4 87E+00	9 92

Input data							Cumulative	Volume of
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (fbtc)	Inflow (liters)	water in well (liters)
0 127	-1 596	0 0521	3 12660	1 596	35 14	4 87E+00	9 92	
0 130	-1 599	0 0522	3 13000	1 599	35 14	4 88E+00	9 93	
0 133	-1 599	0 0522	3 13330	1 599	35 14	4 88E+00	9 93	
0 137	-1 602	0 0523	3 13660	1 602	35 14	4 89E+00	9 94	
0 140	-1 602	0 0523	3 14000	1 602	35 14	4 89E+00	9 94	
0 143	-1 605	0 0524	3 14330	1 605	35 13	4 90E+00	9 95	
0 147	-1 605	0 0524	3 14660	1 605	35 13	4 90E+00	9 95	
0 150	-1 608	0 0525	3 15000	1 608	35 13	4 91E+00	9 96	
0 153	-1 608	0 0526	3 15330	1 608	35 13	4 91E+00	9 96	
0 157	-1 611	0 0526	3 15660	1 611	35 13	4 91E+00	9 97	
0 160	-1 615	0 0527	3 16000	1 615	35 12	4 93E+00	9 98	
0 163	-1 615	0 0527	3 16330	1 615	35 12	4 93E+00	9 98	
0 167	-1 615	0 0528	3 16660	1 615	35 12	4 93E+00	9 98	
0 170	-1 618	0 0528	3 17000	1 618	35 12	4 94E+00	9 99	
0 173	-1 621	0 0529	3 17330	1 621	35 12	4 95E+00	10 00	
0 177	-1 621	0 0529	3 17660	1 621	35 12	4 95E+00	10 00	
0 180	-1 621	0 0530	3 18000	1 621	35 12	4 95E+00	10 00	
0 183	-1 624	0 0531	3 18330	1 624	35 12	4 95E+00	10 01	
0 187	-1 624	0 0531	3 18660	1 624	35 12	4 95E+00	10 01	
0 190	-1 627	0 0532	3 19000	1 627	35 11	4 96E+00	10 02	
0 193	-1 627	0 0532	3 19330	1 627	35 11	4 96E+00	10 02	
0 197	-1 627	0 0533	3 19660	1 627	35 11	4 96E+00	10 02	
0 200	-1 627	0 0533	3 20000	1 627	35 11	4 96E+00	10 02	
0 203	-1 631	0 0534	3 20330	1 631	35 11	4 98E+00	10 03	
0 207	-1 634	0 0534	3 20660	1 634	35 11	4 98E+00	10 04	
0 210	-1 634	0 0535	3 21000	1 634	35 11	4 98E+00	10 04	
0 213	-1 637	0 0536	3 21330	1 637	35 10	4 99E+00	10 05	
0 217	-1 637	0 0536	3 21660	1 637	35 10	4 99E+00	10 05	
0 220	-1 637	0 0537	3 22000	1 637	35 10	4 99E+00	10 05	
0 223	-1 640	0 0537	3 22330	1 640	35 10	5 00E+00	10 05	
0 227	-1 640	0 0538	3 22660	1 640	35 10	5 00E+00	10 05	
0 230	-1 640	0 0538	3 23000	1 640	35 10	5 00E+00	10 05	
0 233	-1 643	0 0539	3 23330	1 643	35 10	5 01E+00	10 06	
0 237	-1 643	0 0539	3 23660	1 643	35 10	5 01E+00	10 06	
0 240	-1 646	0 0540	3 24000	1 646	35 09	5 02E+00	10 07	
0 243	-1 646	0 0541	3 24330	1 646	35 09	5 02E+00	10 07	
0 247	-1 650	0 0541	3 24660	1 650	35 09	5 03E+00	10 09	
0 250	-1 650	0 0542	3 25000	1 650	35 09	5 03E+00	10 09	
0 253	-1 650	0 0542	3 25330	1 650	35 09	5 03E+00	10 09	
0 257	-1 653	0 0543	3 25660	1 653	35 09	5 04E+00	10 09	
0 260	-1 653	0 0543	3 26000	1 653	35 09	5 04E+00	10 09	
0 263	-1 656	0 0544	3 26330	1 656	35 08	5 05E+00	10 10	
0 267	-1 656	0 0544	3 26660	1 656	35 08	5 05E+00	10 10	
0 270	-1 659	0 0545	3 27000	1 659	35 08	5 06E+00	10 11	
0 273	-1 659	0 0546	3 27330	1 659	35 08	5 06E+00	10 11	
0 277	-1 662	0 0546	3 27660	1 662	35 08	5 07E+00	10 12	
0 280	-1 662	0 0547	3 28000	1 662	35 08	5 07E+00	10 12	
0 283	-1 665	0 0547	3 28330	1 665	35 07	5 08E+00	10 13	
0 287	-1 665	0 0548	3 28660	1 665	35 07	5 08E+00	10 13	
0 290	-1 669	0 0548	3 29000	1 669	35 07	5 09E+00	10 14	
0 293	-1 669	0 0549	3 29330	1 669	35 07	5 09E+00	10 14	
0 297	-1 669	0 0549	3 29660	1 669	35 07	5 09E+00	10 14	
0 300	-1 672	0 0550	3 30000	1 672	35 07	5 10E+00	10 15	
0 303	-1 672	0 0551	3 30330	1 672	35 07	5 10E+00	10 15	
0 307	-1 675	0 0551	3 30660	1 675	35 06	5 11E+00	10 16	
0 310	-1 675	0 0552	3 31000	1 675	35 06	5 11E+00	10 16	
0 313	-1 678	0 0552	3 31330	1 678	35 06	5 12E+00	10 17	
0 317	-1 678	0 0553	3 31660	1 678	35 06	5 12E+00	10 17	
0 320	-1 681	0 0553	3 32000	1 681	35 06	5 13E+00	10 18	
0 323	-1 681	0 0554	3 32330	1 681	35 06	5 13E+00	10 18	
0 327	-1 681	0 0554	3 32660	1 681	35 06	5 13E+00	10 18	
0 330	-1 685	0 0555	3 33000	1 685	35 05	5 14E+00	10 19	
0 333	-1 688	0 0556	3 33330	1 688	35 05	5 15E+00	10 20	
0 350	-1 694	0 0558	3 35000	1 694	35 05	5 17E+00	10 22	
0 367	-1 704	0 0561	3 36660	1 704	35 04	5 20E+00	10 25	
0 383	-1 710	0 0564	3 38330	1 710	35 03	5 22E+00	10 27	
0 400	-1 720	0 0567	3 40000	1 720	35 02	5 25E+00	10 30	
0 417	-1 726	0 0569	3 41660	1 726	35 01	5 27E+00	10 32	
0 433	-1 735	0 0572	3 43330	1 735	35 00	5 29E+00	10 34	
0 450	-1 742	0 0575	3 45000	1 742	35 00	5 31E+00	10 37	
0 467	-1 751	0 0578	3 46660	1 751	34 99	5 34E+00	10 39	
0 483	-1 758	0 0581	3 48330	1 758	34 98	5 36E+00	10 41	

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 500	-1 767	0 0583	0 0586	3 50000	1 767	34 97	5 39E+00	10 44
0 517	-1 774	0 0589	0 0589	3 51660	1 774	34 97	5 41E+00	10 46
0 533	-1 783	0 0592	0 0592	3 53330	1 783	34 96	5 44E+00	10 49
0 550	-1 789	0 0592	0 0592	3 55000	1 789	34 95	5 46E+00	10 51
0 567	-1 796	0 0594	0 0594	3 56660	1 796	34 94	5 48E+00	10 53
0 583	-1 805	0 0597	0 0597	3 58330	1 805	34 93	5 51E+00	10 56
0 600	-1 812	0 0600	0 0600	3 60000	1 812	34 93	5 53E+00	10 58
0 617	-1 821	0 0603	0 0603	3 61660	1 821	34 92	5 56E+00	10 61
0 633	-1 828	0 0606	0 0606	3 63330	1 828	34 91	5 58E+00	10 63
0 650	-1 837	0 0608	0 0608	3 65000	1 837	34 90	5 60E+00	10 66
0 667	-1 844	0 0611	0 0611	3 66660	1 844	34 90	5 63E+00	10 68
0 683	-1 850	0 0614	0 0614	3 68330	1 850	34 89	5 64E+00	10 70
0 700	-1 859	0 0617	0 0617	3 70000	1 859	34 88	5 67E+00	10 72
0 717	-1 866	0 0619	0 0619	3 71660	1 866	34 87	5 69E+00	10 74
0 733	-1 872	0 0622	0 0622	3 73330	1 872	34 87	5 71E+00	10 76
0 750	-1 882	0 0625	0 0625	3 75000	1 882	34 86	5 74E+00	10 79
0 767	-1 888	0 0628	0 0628	3 76660	1 888	34 85	5 76E+00	10 81
0 783	-1 898	0 0631	0 0631	3 78330	1 898	34 84	5 79E+00	10 84
0 800	-1 904	0 0633	0 0633	3 80000	1 904	34 84	5 81E+00	10 86
0 817	-1 910	0 0636	0 0636	3 81660	1 910	34 83	5 83E+00	10 88
0 833	-1 920	0 0639	0 0639	3 83330	1 920	34 82	5 86E+00	10 91
0 850	-1 926	0 0642	0 0642	3 85000	1 926	34 81	5 88E+00	10 93
0 867	-1 933	0 0644	0 0644	3 86660	1 933	34 81	5 90E+00	10 95
0 883	-1 939	0 0647	0 0647	3 88330	1 939	34 80	5 92E+00	10 97
0 900	-1 948	0 0650	0 0650	3 90000	1 948	34 79	5 94E+00	10 99
0 917	-1 955	0 0653	0 0653	3 91660	1 955	34 78	5 96E+00	11 02
0 933	-1 961	0 0656	0 0656	3 93330	1 961	34 78	5 98E+00	11 03
0 950	-1 968	0 0658	0 0658	3 95000	1 968	34 77	6 00E+00	11 06
0 967	-1 974	0 0661	0 0661	3 96660	1 974	34 77	6 02E+00	11 07
0 983	-1 980	0 0664	0 0664	3 98330	1 980	34 76	6 04E+00	11 09
1 000	-1 987	0 0667	0 0667	4 00000	1 987	34 75	6 06E+00	11 11
1 200	-2.072	0 0700	0 0700	4 20000	2.072	34 67	6 32E+00	11 37
1 400	-2.146	0 0733	0 0733	4 40000	2.146	34 59	6 55E+00	11 60
1 600	-2.209	0 0767	0 0767	4 60000	2.209	34 53	6.74E+00	11 79
1 800	-2.266	0 0800	0 0800	4 80000	2.266	34 47	6 91E+00	11 96
2 000	-2.320	0 0833	0 0833	5 00000	2.320	34 42	7 08E+00	12 13
2 200	-2.362	0 0867	0 0867	5 20000	2.362	34 38	7 21E+00	12 26
2 400	-2.403	0 0900	0 0900	5 40000	2.403	34 34	7 33E+00	12 38
2 600	-2.441	0 0933	0 0933	5 60000	2.441	34 30	7 45E+00	12 50
2 800	-2.476	0 0967	0 0967	5 80000	2.476	34 26	7 55E+00	12 61
3 000	-2.518	0 1000	0 1000	6 00000	2.518	34 22	7 68E+00	12 73
3 200	-2.549	0 1033	0 1033	6 20000	2.549	34 19	7 78E+00	12 83
3 400	-2.578	0 1067	0 1067	6 40000	2.578	34 16	7 86E+00	12 92
3 600	-2.597	0 1100	0 1100	6 60000	2.597	34 14	7 92E+00	12 97
3 800	-2.622	0 1133	0 1133	6 80000	2.622	34 12	8 00E+00	13 05
4 000	-2 642	0 1167	0 1167	7 00000	2.642	34 10	8 06E+00	13 11
4 200	-2.657	0 1200	0 1200	7 20000	2.657	34 08	8 11E+00	13 16
4 400	-2.680	0 1233	0 1233	7 40000	2.680	34 06	8 18E+00	13 23
4 600	-2.699	0 1267	0 1267	7 60000	2.699	34 04	8 23E+00	13 29
4 800	-2.718	0 1300	0 1300	7 80000	2.718	34 02	8 29E+00	13 34
5 000	-2.734	0 1333	0 1333	8 00000	2.734	34 01	8 34E+00	13 39
5 200	-2.750	0 1367	0 1367	8 20000	2.750	33 99	8 39E+00	13 44
5 400	-2.769	0 1400	0 1400	8 40000	2.769	33 97	8 45E+00	13 50
5 600	-2 781	0 1433	0 1433	8 60000	2.781	33 96	8 48E+00	13 54
5 800	-2.797	0 1467	0 1467	8 80000	2.797	33 94	8 53E+00	13 58
6 000	-2.813	0 1500	0 1500	9 00000	2.813	33 93	8 58E+00	13 63
6 200	-2.826	0 1533	0 1533	9 20000	2.826	33 91	8 62E+00	13 67
6 400	-2.839	0 1567	0 1567	9 40000	2.839	33 90	8 66E+00	13 71
6 600	-2 855	0 1600	0 1600	9 60000	2.855	33 88	8 71E+00	13 76
6 800	-2 867	0 1633	0 1633	9 80000	2.867	33 87	8 75E+00	13 80
7 000	-2.880	0 1667	0 1667	10 00000	2.880	33 86	8 79E+00	13 84
7 200	-2.893	0 1700	0 1700	10 20000	2.893	33 85	8 83E+00	13 88
7 400	-2.902	0 1733	0 1733	10 40000	2.902	33 84	8 85E+00	13 90
7 600	-2.915	0 1767	0 1767	10 60000	2.915	33 82	8 89E+00	13 94
7 800	-2.928	0 1800	0 1800	10 80000	2.928	33 81	8 93E+00	13 98
8 000	-2.937	0 1833	0 1833	11 00000	2.937	33 80	8 96E+00	14 01
8 200	-2.950	0 1867	0 1867	11 20000	2.950	33 79	9 00E+00	14 05
8 400	-2.959	0 1900	0 1900	11 40000	2.959	33 78	9 03E+00	14 08
8 600	-2.969	0 1933	0 1933	11 60000	2.969	33 77	9 06E+00	14 11
8 800	-2.982	0 1967	0 1967	11 80000	2.982	33 76	9 10E+00	14 15
9 000	-2.991	0 2000	0 2000	12.00000	2.991	33 75	9 12E+00	14 18
9 200	-3 001	0 2033	0 2033	12.20000	3.001	33 74	9 15E+00	14 21

Input data						Cumulative	Volume of	
Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Inflow (liters)	water in well (liters)
9 400	-3 010	0 2067	0.2100	12.40000	3 010	33 73	9 18E+00	14 23
9 600	-3 020	0 2100	0.2133	12.60000	3 020	33 72	9 21E+00	14 26
9 800	-3 029	0 2133	0.2167	12.80000	3 029	33 71	9 24E+00	14 29
10 000	-3 039	0 2167	0.2200	13 00000	3 039	33 70	9 27E+00	14 32
12 000	-3 118	0 2500	0.2833	15 00000	3 118	33 62	9 51E+00	14 56
14 000	-3 192	0 3167	0.3167	17 00000	3 192	33 55	9 74E+00	14 79
16 000	-3 252	0 3500	0.3833	19 00000	3 252	33 49	9 92E+00	14 97
18 000	-3 303	0 4167	0.4167	21 00000	3 303	33 44	1 01E+01	15 13
20 000	-3 344	0 4833	0.4833	23 00000	3 344	33 40	1 02E+01	15 25
22 000	-3 386	0 4167	0.4167	25 00000	3 386	33 35	1 03E+01	15 38
24 000	-3 414	0 4500	0.4500	27 00000	3 414	33 33	1 04E+01	15 47
26 000	-3 443	0 4833	0.4833	29 00000	3 443	33 30	1 05E+01	15 56
28 000	-3 471	0 5167	0.5167	31 00000	3 471	33 27	1 06E+01	15 64
30 000	-3 497	0 5500	0.5500	33 00000	3 497	33 24	1 07E+01	15 72
32 000	-3 519	0 5833	0.5833	35 00000	3 519	33 22	1 07E+01	15 79
34 000	-3 538	0 6167	0.6167	37 00000	3 538	33 20	1 08E+01	15 84
36 000	-3 557	0 6500	0.6500	39 00000	3 557	33 18	1 09E+01	15 90
38 000	-3 573	0 6833	0.6833	41 00000	3 573	33 17	1 09E+01	15 95
40 000	-3 589	0 7167	0.7167	43 00000	3 589	33 15	1 09E+01	16 00
42 000	-3 602	0 7500	0.7500	45 00000	3 602	33 14	1 10E+01	16 04
44 000	-3 614	0 7833	0.7833	47 00000	3 614	33 13	1 10E+01	16 08
46 000	-3 627	0 8167	0.8167	49 00000	3 627	33 11	1 11E+01	16 12
48 000	-3 640	0 8500	0.8500	51 00000	3 640	33 10	1 11E+01	16 16
50 000	-3 653	0 8833	0.8833	53 00000	3 653	33 09	1 11E+01	16 20
52 000	-3 662	0 9167	0.9167	55 00000	3 662	33 08	1 12E+01	16 22
54 000	-3 672	0 9500	0.9500	57 00000	3 672	33 07	1 12E+01	16 25
56 000	-3 684	0 9833	0.9833	59 00000	3 684	33 06	1 12E+01	16 29
58 000	-3 694	1 0167	1.0167	61 00000	3 694	33 05	1 13E+01	16 32
60 000	-3 703	1 0500	1.0500	63 00000	3 703	33 04	1 13E+01	16 35
62 000	-3 713	1 0833	1.0833	65 00000	3 713	33 03	1 13E+01	16 38
64 000	-3 719	1 1167	1.1167	67 00000	3 719	33 02	1 13E+01	16 40
66 000	-3 729	1 1500	1.1500	69 00000	3 729	33 01	1 14E+01	16 43
68 000	-3 735	1 1833	1.1833	71 00000	3 735	33 00	1 14E+01	16 45
70 000	-3 745	1 2167	1.2167	73 00000	3 745	32.99	1 14E+01	16 48
72 000	-3 751	1 2500	1.2500	75 00000	3 751	32.99	1 14E+01	16 49
74 000	-3 761	1 2833	1.2833	77 00000	3 761	32.98	1 15E+01	16 53
76 000	-3 770	1 3167	1.3167	79 00000	3 770	32.97	1 15E+01	16 55
78 000	-3 777	1 3500	1.3500	81 00000	3 777	32.96	1 15E+01	16 57
80 000	-3 783	1 3833	1.3833	83 00000	3 783	32.96	1 15E+01	16 59
82 000	-3 793	1 4167	1.4167	85 00000	3 793	32.95	1 16E+01	16 62
84 000	-3 805	1 4500	1.4500	87 00000	3 805	32.93	1 16E+01	16 66
86 000	-3 815	1 4833	1.4833	89 00000	3 815	32.92	1 16E+01	16 69
88 000	-3 824	1 5167	1.5167	91 00000	3 824	32.92	1 17E+01	16 72
90 000	-3 831	1 5500	1.5500	93 00000	3 831	32.91	1 17E+01	16 74
92 000	-3 840	1 5833	1.5833	95 00000	3 840	32.90	1 17E+01	16 77
94 000	-3 847	1 6167	1.6167	97 00000	3 847	32.89	1 17E+01	16 79
96 000	-3 853	1 6500	1.6500	99 00000	3 853	32.89	1 18E+01	16 81
98 000	-3 862	1 6833	1.6833	101 00000	3 862	32.88	1 18E+01	16 83
100 000	-3 869	1 7167	1.7167	103 00000	3 869	32.87	1 18E+01	16 85
120 000	-3 929	2.0500	2.0500	123 00000	3 929	32.81	1 20E+01	17 04
140 000	-3 977	2.3833	2.3833	143 00000	3 977	32.76	1 21E+01	17 18
160 000	-4 012	2 7167	2.7167	163 00000	4 012	32.73	1 22E+01	17 29
180 000	-4 034	3 0500	3.0500	183 00000	4 034	32.71	1 23E+01	17 36
200 000	-4 050	3 3833	3.3833	203 00000	4 050	32.69	1 24E+01	17 41
220 000	-4 066	3 7167	3.7167	223 00000	4 066	32.67	1 24E+01	17 46
240 000	-4 075	4 0500	4.0500	243 00000	4 075	32.66	1 24E+01	17 48
260 000	-4 088	4 3833	4.3833	263 00000	4 088	32.65	1 25E+01	17 52
280 000	-4 091	4 7167	4.7167	283 00000	4 091	32.65	1 25E+01	17 53
300 000	-4 082	5 0500	5.0500	303 00000	4 082	32.66	1 25E+01	17 50
320 000	-4 088	5 3833	5.3833	323 00000	4 088	32.65	1 25E+01	17 52
340 000	-4 088	5 7167	5.7167	343 00000	4 088	32.65	1 25E+01	17 52
360 000	-4 088	6 0500	6.0500	363 00000	4 088	32.65	1 25E+01	17 52
380 000	-4 085	6 3833	6.3833	383 00000	4 085	32.65	1 25E+01	17 51
400 000	-4 085	6 7167	6.7167	403 00000	4 085	32.65	1 25E+01	17 51
420 000	-4 095	7 0500	7.0500	423 00000	4 095	32.64	1 25E+01	17 54
440 000	-4 095	7 3833	7.3833	443 00000	4 095	32.64	1 25E+01	17 54
460 000	-4 098	7 7167	7.7167	463 00000	4 098	32.64	1 25E+01	17 55
480 000	-4 098	8 0500	8.0500	483 00000	4 098	32.64	1 25E+01	17 55
500 000	-4 098	8 3833	8.3833	503 00000	4 098	32.64	1 25E+01	17 55
520 000	-4 104	8 7167	8.7167	523 00000	4 104	32.64	1 25E+01	17 57
540 000	-4 104	9 0500	9.0500	543 00000	4 104	32.64	1 25E+01	17 57
560 000	-4 110	9 3833	9.3833	563 00000	4 110	32.63	1 25E+01	17 59

Input data

Transducer	Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
580 000	-4 114	9 7167	583 00000	4 114	32.63	1 26E+01	17 60	
600 000	-4 120	10 0500	603 00000	4 120	32.62	1 26E+01	17 62	
620 000	-4 126	10 3833	623 00000	4 126	32.61	1 26E+01	17 64	
640 000	-4 133	10 7167	643 00000	4 133	32.61	1 26E+01	17 66	
660 000	-4 139	11 0500	663 00000	4 139	32.60	1 26E+01	17 68	
680 000	-4 149	11 3833	683 00000	4 149	32.59	1 27E+01	17 71	
700 000	-4 158	11 7167	703 00000	4 158	32.58	1 27E+01	17 74	
720 000	-4 177	12.0500	723 00000	4 177	32.56	1 27E+01	17 79	
740 000	-4 190	12.3833	743 00000	4 190	32.55	1 28E+01	17 83	
760 000	-4 199	12.7167	763 00000	4 199	32.54	1 28E+01	17 86	
780 000	-4 206	13 0500	783 00000	4 206	32.53	1 28E+01	17 88	
800 000	-4 215	13 3833	803 00000	4 215	32.52	1 29E+01	17 91	
820 000	-4 219	13 7167	823 00000	4 219	32.52	1 29E+01	17 92	
840 000	-4 215	14 0500	843 00000	4 215	32.52	1 29E+01	17 91	
860 000	-4 209	14 3833	863 00000	4 209	32.53	1 28E+01	17 89	
880 000	-4 203	14 7167	883 00000	4 203	32.54	1 28E+01	17 87	
900 000	-4 199	15 0500	903 00000	4 199	32.54	1 28E+01	17 86	
920 000	-4 203	15 3833	923 00000	4 203	32.54	1 28E+01	17 87	
940 000	-4 193	15 7167	943 00000	4 193	32.55	1 28E+01	17 84	
960 000	-4 190	16 0500	963 00000	4 190	32.55	1 28E+01	17 83	
980 000	-4 196	16 3833	983 00000	4 196	32.54	1 28E+01	17 85	
1000 000	-4 190	16.7167	1003 00000	4 190	32.55	1 28E+01	17 83	
1200 000	-4 247	20 0500	1203 00000	4 247	32.49	1 30E+01	18 01	
1400 000	-4 330	23 3833	1403 00000	4 330	32.41	1 32E+01	18 26	
1600 000	-4 368	26 7167	1603 00000	4 368	32.37	1 33E+01	18 38	
1800 000	-4 378	30 0500	1803 00000	4 378	32.36	1 34E+01	18 41	
2000 000	-4 397	33 3833	2003 00000	4 397	32.34	1 34E+01	18 47	
2200 000	-4 447	36 7167	2203 00000	4 447	32.29	1 36E+01	18 62	
2400 000	-4 384	40 0500	2403 00000	4 384	32.36	1 34E+01	18 43	
2600 000	-4 412	43 3833	2603 00000	4 412	32.33	1 35E+01	18 51	
2800 000	-4 454	46.7167	2803 00000	4 454	32.29	1 36E+01	18 64	
3000 000	-4 473	50 0500	3003 00000	4 473	32.27	1 36E+01	18 70	
3200 000	-4 438	53 3833	3203 00000	4 438	32.30	1 35E+01	18 59	
3400 000	-4 432	56 7167	3403 00000	4 432	32.31	1 35E+01	18 57	
3600 000	-4 400	60 0500	3603 00000	4 400	32.34	1 34E+01	18 47	
3800 000	-4 406	63 3833	3803 00000	4 406	32.33	1 34E+01	18 49	
4000 000	-4 412	66.7167	4003 00000	4 412	32.33	1 35E+01	18 51	
4200 000	-4 435	70 0500	4203 00000	4 435	32.30	1 35E+01	18 58	
4400 000	-4 470	73 3833	4403 00000	4 470	32.27	1 36E+01	18 69	
4600 000	-4 419	76.7167	4603 00000	4 419	32.32	1 35E+01	18 53	
4800 000	-4 400	80 0500	4803 00000	4 400	32.34	1 34E+01	18 47	
5000 000	-4 476	83 3833	5003 00000	4 476	32.26	1 37E+01	18 71	
5200 000	-4 444	86.7167	5203 00000	4 444	32.30	1 36E+01	18 61	
5400 000	-4 428	90 0500	5403 00000	4 428	32.31	1 35E+01	18 56	
5600 000	-4 460	93 3833	5603 00000	4 460	32.28	1 36E+01	18 66	
5800 000	-4 438	96 7167	5803 00000	4 438	32.30	1 35E+01	18 59	
6000 000	-4 457	100 0500	6003 00000	4 457	32.28	1 36E+01	18 65	
6200 000	-4 412	103 3833	6203 00000	4 412	32.33	1 35E+01	18 51	
6400 000	-4 438	106 7167	6403 00000	4 438	32.30	1 35E+01	18 59	
6600 000	-4 521	110 0500	6603 00000	4 521	32.22	1 38E+01	18 84	
6800 000	-4 511	113 3833	6803 00000	4 511	32.23	1 38E+01	18 81	
7000 000	-4 447	116 7167	7003 00000	4 447	32.29	1 36E+01	18 62	
7200 000	-4 489	120 0500	7203 00000	4 489	32.25	1 37E+01	18 75	

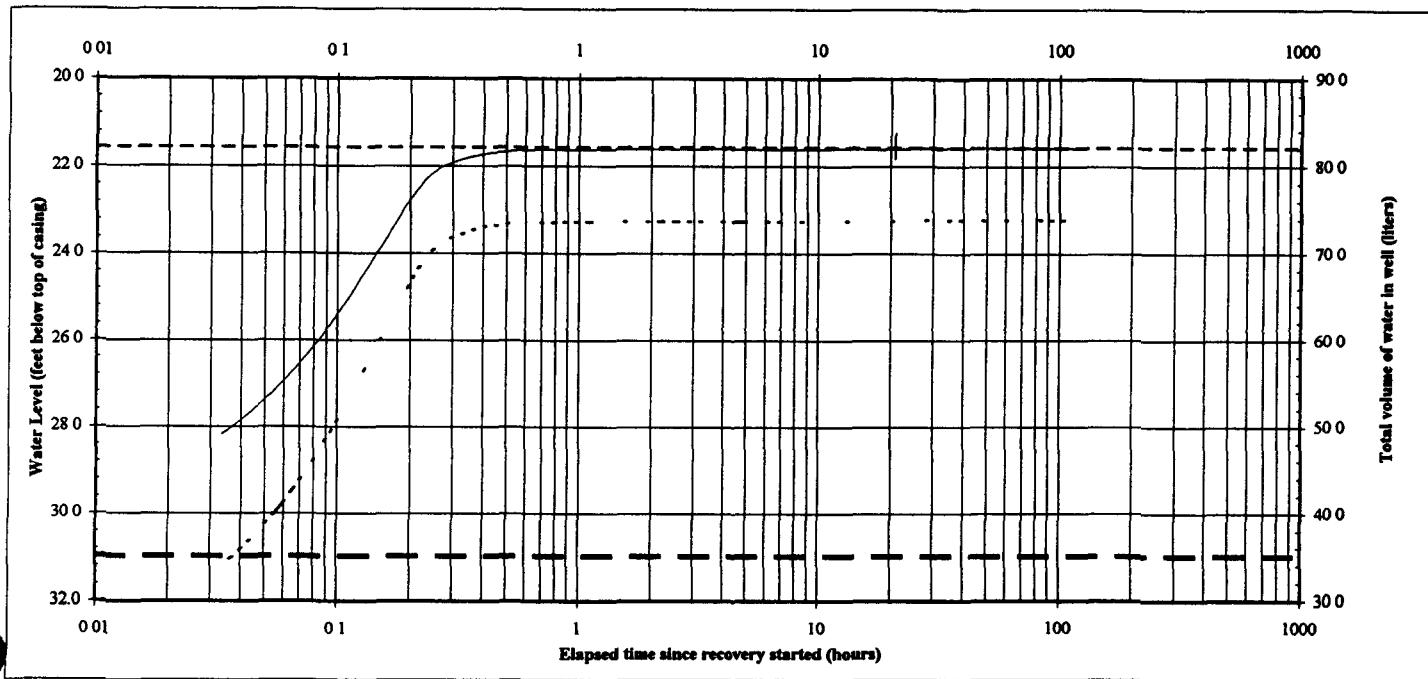
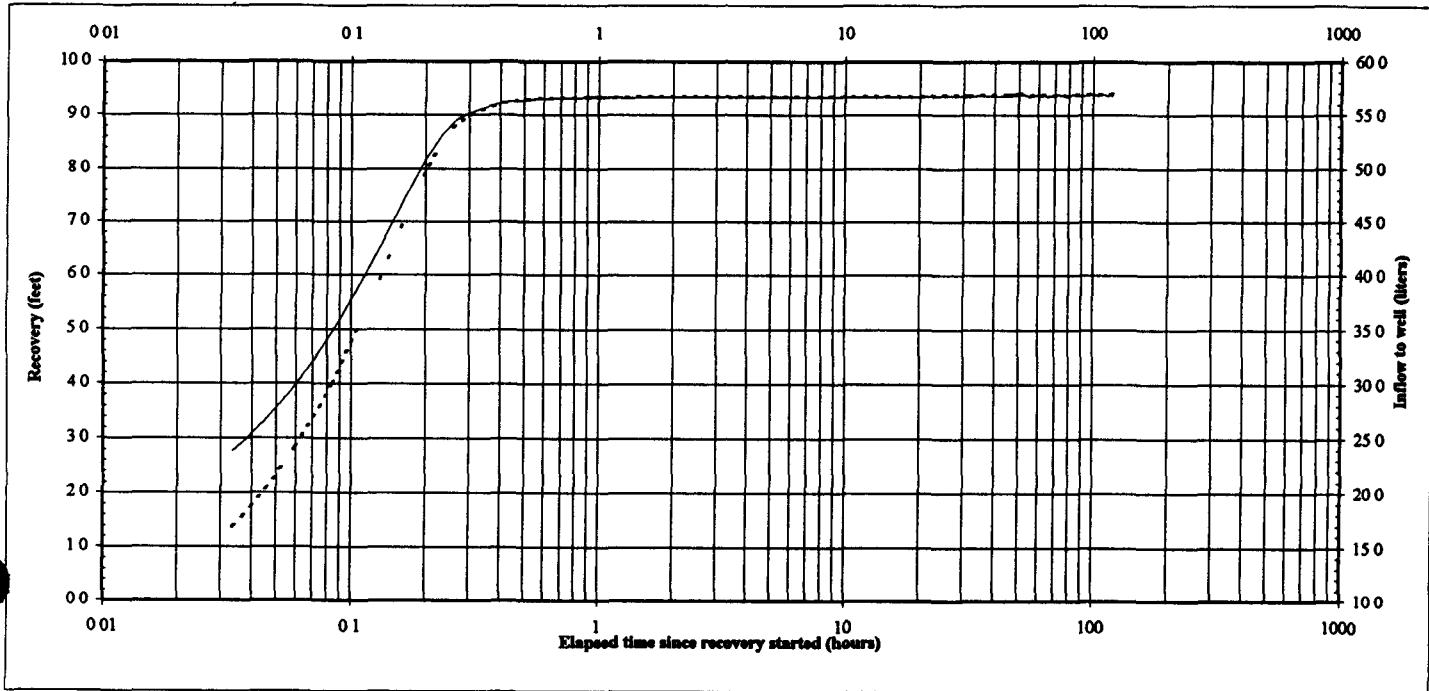
Well No. 72393
Measured recovery after sampling

Date: 20-Jul-94

3rd quarter 1994

Pre-sampling
 Static Water Level
 Bottom of well

Water Level
 Volume



Well No.

72393

Date Sampled

3rd quarter

20-06-94

		Delay	2 00	Minutes
Final bail time	14:54			
Set transducer time	14:54			
Static water level (pre-sampling)	21.8	feet below top of casing		
Final water level (post-recovery)	21.8	feet below top of casing		
Last recorded water level	21.8	feet below transducer		
Transducer Reference Depth	30.9	feet below top of casing		
Bottom of well	31.0	feet below top of casing		
First recorded water level	28.8	feet below transducer		
First recorded water level	28.2	feet below top of casing		
Water column remaining in casing after purging	2.8	feet		
Volume remaining in casing after purging	17.0	liters		
Well diameter	16.3	inches	0.854	feet
Well radius	5.1	inches	0.427	feet
Casing diameter	16.3	inches	0.167	feet
Casing radius	1.0	inches	0.083	feet
Effective well radius	3.1	inches	0.261	feet
Top of sandpack	10.8	feet below top of casing		
			0.62	liters/foot
			6.08	liters/foot

Input data

Transducer Elapsed Time (minutes)	Elapsed Time (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftbc)	Cumulative Inflow (liters)	Volume of water in well (liters)
0 000	-2.760	0 0333	2.00000	2.760	28 18	1.68E+01	33 81
0 003	-2.760	0 0334	2.00330	2.760	28 18	1.68E+01	33 81
0 007	-2.760	0 0334	2.00660	2.760	28 18	1.68E+01	33 81
0 010	-2.770	0 0335	2.00990	2.770	28 17	1.68E+01	33 87
0 013	-2.770	0 0336	2.01330	2.770	28 17	1.68E+01	33 87
0 017	-2.770	0 0336	2.01660	2.770	28 17	1.68E+01	33 87
0 020	-2.770	0 0337	2.02000	2.770	28 17	1.68E+01	33 87
0 023	-2.780	0 0337	2.02330	2.780	28 16	1.69E+01	33 93
0 027	-2.780	0 0338	2.02660	2.780	28 16	1.69E+01	33 93
0 030	-2.780	0 0338	2.03000	2.780	28 16	1.69E+01	33 93
0 033	-2.790	0 0339	2.03330	2.790	28 15	1.70E+01	34 00
0 050	-2.800	0 0342	2.05000	2.800	28 14	1.70E+01	34 06
0 067	-2.810	0 0344	2.06660	2.810	28 13	1.71E+01	34 12
0 083	-2.830	0 0347	2.08330	2.830	28 11	1.72E+01	34 24
0 100	-2.840	0 0350	2.10000	2.840	28 10	1.73E+01	34 30
0 117	-2.860	0 0353	2.11660	2.860	28 08	1.74E+01	34 42
0 133	-2.870	0 0356	2.13330	2.870	28 07	1.75E+01	34 48
0 150	-2.880	0 0358	2.15000	2.880	28 06	1.75E+01	34 54
0 167	-2.900	0 0361	2.16660	2.900	28 04	1.76E+01	34 66
0 183	-2.910	0 0364	2.18330	2.910	28 03	1.77E+01	34 73
0 200	-2.920	0 0367	2.20000	2.920	28 02	1.78E+01	34 79
0 217	-2.930	0 0369	2.21660	2.930	28 01	1.78E+01	34 85
0 233	-2.950	0 0372	2.23330	2.950	27 99	1.79E+01	34 97
0 250	-2.960	0 0375	2.25000	2.960	27 98	1.80E+01	35 03
0 267	-2.970	0 0378	2.26660	2.970	27 97	1.81E+01	35 09
0 283	-2.990	0 0381	2.28330	2.990	27 95	1.82E+01	35 21
0 300	-3 000	0 0383	2.30000	3 000	27 94	1.82E+01	35 27
0 317	-3 020	0 0386	2.31660	3 020	27 92	1.84E+01	35 39
0 333	-3 030	0 0389	2.33330	3 030	27 91	1.84E+01	35 45
0 417	-3 090	0 0403	2.41670	3 090	27 85	1.88E+01	35 82
0 500	-3 160	0 0417	2.50000	3 160	27 78	1.92E+01	36 25
0 583	-3 230	0 0431	2.58330	3 230	27 71	1.96E+01	36 67
0 667	-3 290	0 0444	2.66670	3 290	27 65	2.00E+01	37 04
0 750	-3 360	0 0458	2.75000	3 360	27 58	2.04E+01	37 46
0 833	-3 420	0 0472	2.83330	3 420	27 52	2.08E+01	37 83
0 917	-3 490	0 0486	2.91670	3 490	27 45	2.12E+01	38 25
1 000	-3 550	0 0500	3 00000	3 550	27 39	2.16E+01	38 62
1 083	-3 610	0 0514	3 08330	3 610	27 33	2.20E+01	38 98
1 167	-3 670	0 0528	3 16670	3 670	27 27	2.23E+01	39 35
1 250	-3 730	0 0542	3 25000	3 730	27 21	2.27E+01	39 71

Input data

Transducer Elapsed Time (minutes)	Δ head (feet)	Elapsed Time (hours)	Elapsed Time since final bail (minutes)	Recovery (Feet of water)	water level (ftdc)	Cumulative Inflow (liters)	Volume of water in well (liters)
1 333	-3 790	0 0556	3 33330	3 790	27 15	2.30E+01	40 08
1 417	-3 850	0 0569	3 41660	3 850	27 09	2.34E+01	40 44
1 500	-3 910	0 0583	3 50000	3 910	27 03	2.38E+01	40 81
1 583	-3 970	0 0597	3 58330	3 970	26 97	2.41E+01	41 17
1 667	-4 030	0 0611	3 66670	4 030	26 91	2.45E+01	41 54
1 750	-4 090	0 0625	3 75000	4 090	26 85	2.49E+01	41 90
1 833	-4 150	0 0639	3 83330	4 150	26 79	2.52E+01	42.27
1 917	-4 210	0 0653	3 91670	4 210	26.73	2.56E+01	42.63
2.000	-4 260	0 0667	4 00000	4 260	26 68	2.59E+01	42.93
2.500	-4 600	0 0750	4 50000	4 600	26 34	2.80E+01	45 00
3 000	-4 920	0 0833	5 00000	4 920	26 02	2.99E+01	46 95
3 500	-5 240	0 0917	5 50000	5 240	25 70	3 19E+01	48 89
4 000	-5 540	0 1000	6 00000	5 540	25 40	3 37E+01	50 72
4 500	-5 830	0 1083	6 50000	5 830	25 11	3 55E+01	52.48
5 000	-6.100	0 1167	7 00000	6 100	24 84	3 71E+01	54 12
5 500	-6 370	0 1250	7 50000	6 370	24 57	3 87E+01	55 77
6 000	-6.620	0 1333	8 00000	6 620	24 32	4 03E+01	57 29
6 500	-6 860	0 1417	8 50000	6 860	24 08	4 17E+01	58 75
7 000	-7 080	0 1500	9 00000	7 080	23 86	4 31E+01	60 08
7 500	-7 290	0 1583	9 50000	7 290	23 65	4 43E+01	61 36
8 000	-7 490	0 1667	10 00000	7 490	23 43	4 56E+01	62.58
8 500	-7 680	0 1750	10 50000	7 680	23 26	4 67E+01	63 73
9 000	-7 860	0 1833	11 00000	7 860	23 08	4 78E+01	64 83
9 500	-8 020	0 1917	11 50000	8 020	22.92	4 88E+01	65 80
10 000	-8 170	0 2000	12 00000	8 170	22.77	4 97E+01	66 71
12 000	-8 650	0 2333	14 00000	8 650	22.29	5 26E+01	69 63
14 000	-8 910	0 2667	16 00000	8 910	22.03	5 42E+01	71 21
16 000	-9 030	0 3000	18 00000	9 030	21 91	5 49E+01	71 94
18 000	-9 110	0 3333	20 00000	9 110	21 83	5 54E+01	72 43
20 000	-9 170	0 3667	22 00000	9 170	21 77	5 58E+01	72.79
22 000	-9 220	0 4000	24 00000	9 220	21 72	5 61E+01	73 10
24 000	-9 250	0 4333	26 00000	9 250	21 69	5 63E+01	73 28
26 000	-9 260	0 4467	28 00000	9 260	21 68	5 63E+01	73 34
28 000	-9 280	0 5000	30 00000	9 280	21 66	5 64E+01	73 46
30 000	-9 290	0 5333	32 00000	9 290	21 65	5 65E+01	73 52
32 000	-9 300	0 5667	34 00000	9 300	21 64	5 66E+01	73 59
34 000	-9 300	0 6000	36 00000	9 300	21 64	5 66E+01	73 59
36 000	-9 300	0 6333	38 00000	9 300	21 64	5 66E+01	73 59
38 000	-9 310	0 6667	40 00000	9 310	21 63	5 66E+01	73 65
40 000	-9 310	0 7000	42 00000	9 310	21 63	5 66E+01	73 65
42 000	-9 310	0 7333	44 00000	9 310	21 63	5 66E+01	73 65
44 000	-9 310	0 7667	46 00000	9 310	21 63	5 66E+01	73 65
46 000	-9 310	0 8000	48 00000	9 310	21 63	5 66E+01	73 65
48 000	-9 310	0 8333	50 00000	9 310	21 63	5 66E+01	73 65
50 000	-9 320	0 8667	52 00000	9 320	21 62	5 67E+01	73 71
52 000	-9 320	0 9000	54 00000	9 320	21 62	5 67E+01	73 71
54 000	-9 320	0 9333	56 00000	9 320	21 62	5 67E+01	73 71
56 000	-9 320	0 9667	58 00000	9 320	21 62	5 67E+01	73 71
58 000	-9 320	1 0000	60 00000	9 320	21 62	5 67E+01	73 71
60 000	-9 320	1 0333	62 00000	9 320	21 62	5 67E+01	73 71
62 000	-9 320	1 0667	64 00000	9 320	21 62	5 67E+01	73 71
64 000	-9 320	1 1000	66 00000	9 320	21 62	5 67E+01	73 71
66 000	-9 320	1 1333	68 00000	9 320	21 62	5 67E+01	73 71
68 000	-9 320	1 1667	70 00000	9 320	21 62	5 67E+01	73 71
70 000	-9 330	1 2000	72 00000	9 330	21 61	5 67E+01	73 77
72 000	-9 320	1 2333	74 00000	9 320	21 62	5 67E+01	73 71
74 000	-9 320	1 2667	76 00000	9 320	21 62	5 67E+01	73 71
76 000	-9 320	1 3000	78 00000	9 320	21 62	5 67E+01	73 71
78 000	-9 320	1 3333	80 00000	9 320	21 62	5 67E+01	73 71
80 000	-9 320	1 3667	82 00000	9 320	21 62	5 67E+01	73 71
82 000	-9 320	1 4000	84 00000	9 320	21 62	5 67E+01	73 71
84 000	-9 330	1 4333	86 00000	9 330	21 61	5 67E+01	73 77
86 000	-9 330	1 4667	88 00000	9 330	21 61	5 67E+01	73 77
88 000	-9 330	1 5000	90 00000	9 330	21 61	5 67E+01	73 77
90 000	-9 330	1 5333	92 00000	9 330	21 61	5 67E+01	73 77
92 000	-9 330	1 5667	94 00000	9 330	21 61	5 67E+01	73 77
94 000	-9 330	1 6000	96 00000	9 330	21 61	5 67E+01	73 77
96 000	-9 330	1 6333	98 00000	9 330	21 61	5 67E+01	73 77
98 000	-9 330	1 6667	100 00000	9 330	21 61	5 67E+01	73 77
100 000	-9 330	1 7000	102 00000	9 330	21 61	5 67E+01	73 77
110 000	-9 330	1 8667	112 00000	9 330	21 61	5 67E+01	73 77
120 000	-9 330	2.0333	122 00000	9 330	21 61	5 67E+01	73 77
130 000	-9 330	2.2000	132 00000	9 330	21 61	5 67E+01	73 77
140 000	-9 330	2.3667	142 00000	9 330	21 61	5 67E+01	73 77

Input data						Cumulative	Volume of	
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(ftbc)	(liters)	(liters)
150 000	-9 330	2.5333	152.00000	9 330	21 61	5 67E+01	73 77	
160 000	-9 330	2.7000	162.00000	9 330	21 61	5 67E+01	73 77	
170 000	-9 330	2.8667	172.00000	9 330	21 61	5 67E+01	73 77	
180 000	-9 330	3 0333	182.00000	9 330	21 61	5 67E+01	73 77	
190 000	-9 330	3 2000	192.00000	9 330	21 61	5 67E+01	73 77	
200 000	-9 330	3 3667	202.00000	9 330	21 61	5 67E+01	73 77	
210 000	-9 340	3 5333	212.00000	9 340	21 60	5 68E+01	73 83	
220 000	-9 340	3 7000	222.00000	9 340	21 60	5 68E+01	73 83	
230 000	-9 340	3 8667	232.00000	9 340	21 60	5 68E+01	73 83	
240 000	-9 330	4 0333	242.00000	9 330	21 61	5 67E+01	73 77	
250 000	-9 340	4 2000	252.00000	9 340	21 60	5 68E+01	73 83	
260 000	-9 330	4 3667	262.00000	9 330	21 61	5 67E+01	73 77	
270 000	-9 330	4 5333	272.00000	9 330	21 61	5 67E+01	73 77	
280 000	-9 330	4 7000	282.00000	9 330	21 61	5 67E+01	73 77	
290 000	-9 330	4 8667	292.00000	9 330	21 61	5 67E+01	73 77	
300 000	-9 330	5 0333	302.00000	9 330	21 61	5 67E+01	73 77	
310 000	-9 330	5 2000	312.00000	9 330	21 61	5 67E+01	73 77	
320 000	-9 330	5 3667	322.00000	9 330	21 61	5 67E+01	73 77	
330 000	-9 330	5 5333	332.00000	9 330	21 61	5 67E+01	73 77	
340 000	-9 330	5 7000	342.00000	9 330	21 61	5 67E+01	73 77	
350 000	-9 330	5 8667	352.00000	9 330	21 61	5 67E+01	73 77	
360 000	-9 330	6 0333	362.00000	9 330	21 61	5 67E+01	73 77	
370 000	-9 330	6 2000	372.00000	9 330	21 61	5 67E+01	73 77	
380 000	-9 330	6.3667	382.00000	9 330	21 61	5 67E+01	73 77	
390 000	-9 330	6 5333	392.00000	9 330	21 61	5 67E+01	73 77	
400 000	-9 330	6 7000	402.00000	9 330	21 61	5 67E+01	73 77	
410 000	-9 330	6 8667	412.00000	9 330	21 61	5 67E+01	73 77	
420 000	-9 330	7 0333	422.00000	9 330	21 61	5 67E+01	73 77	
430 000	-9 330	7 2000	432.00000	9 330	21 61	5 67E+01	73 77	
440 000	-9 330	7 3667	442.00000	9 330	21 61	5 67E+01	73 77	
450 000	-9 330	7 5333	452.00000	9 330	21 61	5 67E+01	73 77	
460 000	-9 330	7 7000	462.00000	9 330	21 61	5 67E+01	73 77	
470 000	-9 330	7 8667	472.00000	9 330	21 61	5 67E+01	73 77	
480 000	-9 330	8 0333	482.00000	9 330	21 61	5 67E+01	73 77	
490 000	-9 330	8 2000	492.00000	9 330	21 61	5 67E+01	73 77	
500 000	-9 330	8 3667	502.00000	9 330	21 61	5 67E+01	73 77	
510 000	-9 330	8 5333	512.00000	9 330	21 61	5 67E+01	73 77	
520 000	-9 330	8 7000	522.00000	9 330	21 61	5 67E+01	73 77	
530 000	-9 330	8 8667	532.00000	9 330	21 61	5 67E+01	73 77	
540 000	-9 330	9 0333	542.00000	9 330	21 61	5 67E+01	73 77	
550 000	-9 330	9 2000	552.00000	9 330	21 61	5 67E+01	73 77	
560 000	-9 330	9.3667	562.00000	9 330	21 61	5 67E+01	73 77	
570 000	-9 330	9 5333	572.00000	9 330	21 61	5 67E+01	73 77	
580 000	-9 330	9 7000	582.00000	9 330	21 61	5 67E+01	73 77	
590 000	-9 330	9 8667	592.00000	9 330	21 61	5 67E+01	73 77	
600 000	-9 330	10 0333	602.00000	9 330	21 61	5 67E+01	73 77	
610 000	-9 330	10 2000	612.00000	9 330	21 61	5 67E+01	73 77	
620 000	-9 330	10 3667	622.00000	9 330	21 61	5 67E+01	73 77	
630 000	-9 330	10 5333	632.00000	9 330	21 61	5 67E+01	73 77	
640 000	-9 330	10 7000	642.00000	9 330	21 61	5 67E+01	73 77	
650 000	-9 330	10 8667	652.00000	9 330	21 61	5 67E+01	73 77	
660 000	-9 340	11 0333	662.00000	9 340	21 60	5 68E+01	73 83	
670 000	-9 330	11 2000	672.00000	9 330	21 61	5 67E+01	73 77	
680 000	-9 340	11 3667	682.00000	9 340	21 60	5 68E+01	73 83	
690 000	-9 330	11 5333	692.00000	9 330	21 61	5 67E+01	73 77	
700 000	-9 340	11 7000	702.00000	9 340	21 60	5 68E+01	73 83	
710 000	-9 340	11 8667	712.00000	9 340	21 60	5 68E+01	73 83	
720 000	-9 340	12.0333	722.00000	9 340	21 60	5 68E+01	73 83	
730 000	-9 340	12.2000	732.00000	9 340	21 60	5 68E+01	73 83	
740 000	-9 340	12.3667	742.00000	9 340	21 60	5 68E+01	73 83	
750 000	-9 340	12.5333	752.00000	9 340	21 60	5 68E+01	73 83	
760 000	-9 340	12.7000	762.00000	9 340	21 60	5 68E+01	73 83	
770 000	-9 340	12.8667	772.00000	9 340	21 60	5 68E+01	73 83	
780 000	-9 340	13 0333	782.00000	9 340	21 60	5 68E+01	73 83	
790 000	-9 340	13 2000	792.00000	9 340	21 60	5 68E+01	73 83	
800 000	-9 340	13 3667	802.00000	9 340	21 60	5 68E+01	73 83	
810 000	-9 340	13 5333	812.00000	9 340	21 60	5 68E+01	73 83	
820 000	-9 340	13 7000	822.00000	9 340	21 60	5 68E+01	73 83	
830 000	-9 340	13 8667	832.00000	9 340	21 60	5 68E+01	73 83	
840 000	-9 340	14 0333	842.00000	9 340	21 60	5 68E+01	73 83	
850 000	-9 340	14 2000	852.00000	9 340	21 60	5 68E+01	73 83	
860 000	-9 350	14 3667	862.00000	9 350	21 59	5 69E+01	73 89	
870 000	-9 340	14 5333	872.00000	9 340	21 60	5 68E+01	73 83	
880 000	-9 340	14 7000	882.00000	9 340	21 60	5 68E+01	73 83	

Input data							Cumulative	Volume of
Transducer	Elapsed Time	Δ head	Elapsed Time	Elapsed Time since	Recovery	water level	Inflow	water in well
	(minutes)	(feet)	(hours)	final fall (minutes)	(Feet of water)	(fbtc)	(liters)	(liters)
890 000	-9 340	14 8667	892.00000	9 340	21 60	5 68E+01	73 83	
900 000	-9 340	15 0333	902.00000	9 340	21 60	5 68E+01	73 83	
910 000	-9 340	15 2000	912.00000	9 340	21 60	5 68E+01	73 83	
920 000	-9 340	15 3667	922.00000	9 340	21 60	5 68E+01	73 83	
930 000	-9 330	15 5333	932.00000	9 330	21 61	5 67E+01	73 77	
940 000	-9.330	15 7000	942.00000	9 330	21 61	5 67E+01	73 77	
950 000	-9 330	15 8667	952.00000	9 330	21 61	5 67E+01	73 77	
960 000	-9 330	16.0333	962.00000	9 330	21 61	5 67E+01	73 77	
970 000	-9 330	16 2000	972.00000	9 330	21 61	5 67E+01	73 77	
980 000	-9 330	16 3667	982.00000	9 330	21 61	5 67E+01	73 77	
990 000	-9 330	16.5333	992.00000	9 330	21 61	5 67E+01	73 77	
1000 000	-9 330	16.7000	1002.00000	9 330	21 61	5 67E+01	73 77	
1100 000	-9 330	18 3667	1102.00000	9 330	21 61	5 67E+01	73 77	
1200 000	-9 340	20 0333	1202.00000	9 340	21 60	5 68E+01	73 83	
1300 000	-9 350	21 7000	1302.00000	9 350	21 59	5 69E+01	73 89	
1400 000	-9 350	23 3667	1402.00000	9 350	21 59	5 69E+01	73 89	
1500 000	-9 360	25 0333	1502.00000	9 360	21 58	5 69E+01	73 95	
1600 000	-9 360	26 7000	1602.00000	9 360	21 58	5 69E+01	73 95	
1700 000	-9 360	28 3667	1702.00000	9 360	21 58	5 69E+01	73 95	
1800 000	-9 350	30 0333	1802.00000	9 350	21 59	5 69E+01	73 89	
1900 000	-9 350	31 7000	1902.00000	9 350	21 59	5 69E+01	73 89	
2000 000	-9 360	33 3667	2002.00000	9 360	21 58	5 69E+01	73 95	
2100 000	-9 370	35 0333	2102.00000	9 370	21 57	5 70E+01	74 01	
2200 000	-9 360	36 7000	2202.00000	9 360	21 58	5 69E+01	73 95	
2300 000	-9 360	38 3667	2302.00000	9 360	21 58	5 69E+01	73 95	
2400 000	-9 360	40 0333	2402.00000	9 360	21 58	5 69E+01	73 95	
2500 000	-9 350	41 7000	2502.00000	9 350	21 59	5 69E+01	73 89	
2600 000	-9 360	43 3667	2602.00000	9 360	21 58	5 69E+01	73 95	
2700 000	-9 360	45 0333	2702.00000	9 360	21 58	5 69E+01	73 95	
2800 000	-9 360	46 7000	2802.00000	9 360	21 58	5 69E+01	73 95	
2900 000	-9 370	48 3667	2902.00000	9 370	21 57	5 70E+01	74 01	
3000 000	-9 380	50 0333	3002.00000	9 380	21 56	5 70E+01	74 07	
3100 000	-9 380	51 7000	3102.00000	9 380	21 56	5 70E+01	74 07	
3200 000	-9 370	53 3667	3202.00000	9 370	21 57	5 70E+01	74 01	
3300 000	-9 350	55 0333	3302.00000	9 350	21 59	5 69E+01	73 89	
3400 000	-9 360	56.7000	3402.00000	9 360	21 58	5 69E+01	73 95	
3500 000	-9 370	58 3667	3502.00000	9 370	21 57	5 70E+01	74 01	
3600 000	-9 370	60 0333	3602.00000	9 370	21 57	5 70E+01	74 01	
3700 000	-9 360	61 7000	3702.00000	9 360	21 58	5 69E+01	73 95	
3800 000	-9 370	63 3667	3802.00000	9 370	21 57	5 70E+01	74 01	
3900 000	-9 350	65 0333	3902.00000	9 350	21 59	5 69E+01	73 89	
4000 000	-9 360	66 7000	4002.00000	9 360	21 58	5 69E+01	73 95	
4100 000	-9 360	68 3667	4102.00000	9 360	21 58	5 69E+01	73 95	
4200 000	-9 350	70 0333	4202.00000	9 350	21 59	5 69E+01	73 89	
4300 000	-9 380	71 7000	4302.00000	9 380	21 56	5 70E+01	74 07	
4400 000	-9 370	73 3667	4402.00000	9 370	21 57	5 70E+01	74 01	
4500 000	-9 370	75 0333	4502.00000	9 370	21 57	5 70E+01	74 01	
4600 000	-9 360	76 7000	4602.00000	9 360	21 58	5 69E+01	73 95	
4700 000	-9 340	78 3667	4702.00000	9 340	21 60	5 68E+01	73 83	
4800 000	-9 360	80 0333	4802.00000	9 360	21 58	5 69E+01	73 95	
4900 000	-9 380	81 7000	4902.00000	9 380	21 56	5 70E+01	74 07	
5000 000	-9 380	83 3667	5002.00000	9 380	21 56	5 70E+01	74 07	
5100 000	-9 370	85 0333	5102.00000	9 370	21 57	5 70E+01	74 01	
5200 000	-9 370	86 7000	5202.00000	9 370	21 57	5 70E+01	74 01	
5300 000	-9 350	88 3667	5302.00000	9 350	21 59	5 69E+01	73 89	
5400 000	-9 370	90 0333	5402.00000	9 370	21 57	5 70E+01	74 01	
5500 000	-9 360	91 7000	5502.00000	9 360	21 58	5 69E+01	73 95	
5600 000	-9 370	93 3667	5602.00000	9 370	21 57	5 70E+01	74 01	
5700 000	-9 370	95 0333	5702.00000	9 370	21 57	5 70E+01	74 01	
5800 000	-9 380	96 7000	5802.00000	9 380	21 56	5 70E+01	74 07	
5900 000	-9 380	98 3667	5902.00000	9 380	21 56	5 70E+01	74 07	
6000 000	-9 380	100 0333	6002.00000	9 380	21 56	5 70E+01	74 07	
6100 000	-9 380	101 7000	6102.00000	9 380	21 56	5 70E+01	74 07	
6200 000	-9 360	103 3667	6202.00000	9 360	21 58	5 69E+01	73 95	
6300 000	-9 370	105 0333	6302.00000	9 370	21 57	5 70E+01	74 01	
6400 000	-9 370	106 7000	6402.00000	9 370	21 57	5 70E+01	74 01	
6500 000	-9 380	108 3667	6502.00000	9 380	21 56	5 70E+01	74 07	
6600 000	-9 380	110 0333	6602.00000	9 380	21 56	5 70E+01	74 07	
6700 000	-9 370	111 7000	6702.00000	9 370	21 57	5 70E+01	74 01	
6800 000	-9 360	113 3667	6802.00000	9 360	21 58	5 69E+01	73 95	
6900 000	-9 360	115 0333	6902.00000	9 360	21 58	5 69E+01	73 95	
7000 000	-9 380	116 7000	7002.00000	9 380	21 56	5 70E+01	74 07	
7100 000	-9 360	118 3667	7102.00000	9 360	21 58	5 69E+01	73 95	
7200 000	-9 390	120 0333	7202.00000	9 390	21 55	5 71E+01	74 13	

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INFORMATION TO SUPPORT FIELD EVALUATION OF WELL CONSTRUCTION METHODS

G-1 Logs of Borings Used in Field Evaluation of Well Construction Methods

Log Number B200789

Log Number 11694

Log Number 11794

G-2 1990 Report Prepared by D L Shear

DATE / TIME / COORDINATE
 NORTH 755765 AREA LANDFILL GROUND ELEVATION (FT) 5946.10 PROJECT NUMBER
 EAST 2085008 LOCATOR NUMBER L14 CASING DIAMETER (IN) 4.500 GEOLOGIST KEN/PMS
 REMARKS Hollow Stem Auger Upper 1.0' soil removed & discarded not sampled Due to changes in the sampling scheme BH07-89 was offset and
 re-drilled from 0.0' to 3.0' in order to obtain a composite sample of that interval Weston Log

LOG OF BORING NUMBER
B200789

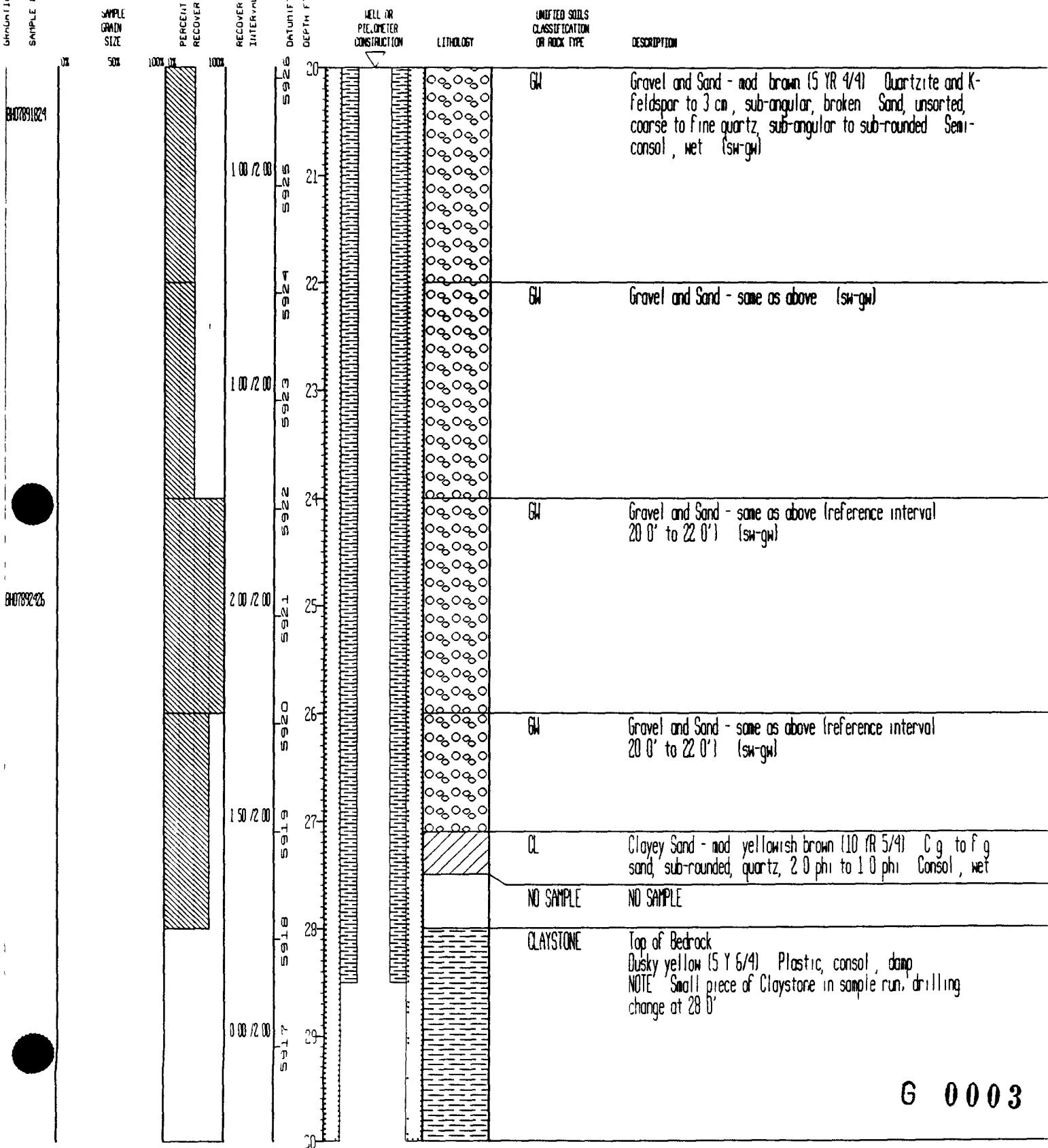
	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY INTERVAL	DEPTH (FT)	DATA (FT)	HOLE OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
	6X	50%	100% 0%	100%	0.00 / 1.00	0		NO SAMPLE	NO SAMPLE
BH0789003								CL	Gravelly Clay - dark reddish brown (10 R 3/4) Gravel, quartzite to 3 cm, sub-angular. Consol., plastic. Trace silt. Caliche at top, strong HCl reaction, damp.
BH0789003					1.70 / 2.00			CALICHE	Mod orange pink (10 R 7/4) Some gravel, quartzite, sub-angular. Unconsol., strong HCl reaction (highly calcareous), very dry 25% gravel
BH0789006					1.60 / 2.00			CALICHE	Same as above
BH0789006					1.60 / 1.50			SP	Sand and Gravel - pale red (10 R 6/2) Approx 50%-50% Sand and gravel on some angular to subangular (sp-qp) to slightly granular (sp-gp)
BH0789012					1.50 / 1.50			GP	Gravel - grayish orange pink (10 R 8/2) Trace silt and sand. Quartzite, sub-angular. Unconsol., very dry
BH0789012					0.00 / 2.00			NO SAMPLE	NO SAMPLE 85% gravel

G 0001

AERIAL COORDINATE		TOTAL DEPTH FT 34'	GROUND ELEVATION (FT)	5946.10	PROJECT NUMBER	KEN/PMS	LOG OF BORING NUMBER
NORTH	755765	AREA LANDFILL	CASING DIAMETER (IN)	4.500	GEOLOGIST		B200789
EAST	2085008	LOCATOR NUMBER L14	BOREHOLE DIAMETER (IN)	7.25	DATE DRILLED	03/08/89	
REMARKS	Hollow Stem Auger	Upper 1.0' soil removed & discarded, not sampled. Due to changes in the sampling scheme, BH07-89 was offset and redrilled from 0.0' to 3.0' in order to obtain a composite sample of that interval. Weston Log.					
SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
50%	100% DS	100%	10			GP	Sand and Gravel - same as above (reference interval 6.3' to 6.5')
			11				
			12				
			13				
			14			SP	Gravelly Sand - mod yellowish brown (10 YR 5/4) Trace silt. Gravel to 5 cm, quartzite. Sand, sub-rounded, 2.0 phi to 0.0 phi. Unconsol., dry (sp-sw)
			15				
			16			CL	Gravelly Sandy Clay - dusky yellow (5 Y 6/4), grading to grayish orange (10 YR 7/4). Large quartzite to 5 cm, sub-angular. Sand, poorly sorted, sub-angular. Unconsol., damp
			17				
			18			CL	Gravelly Sandy Clay - same as above, except darker, mod brown (5 YR 4/4)
			19				
			20				
				03/08/89			

G 0002

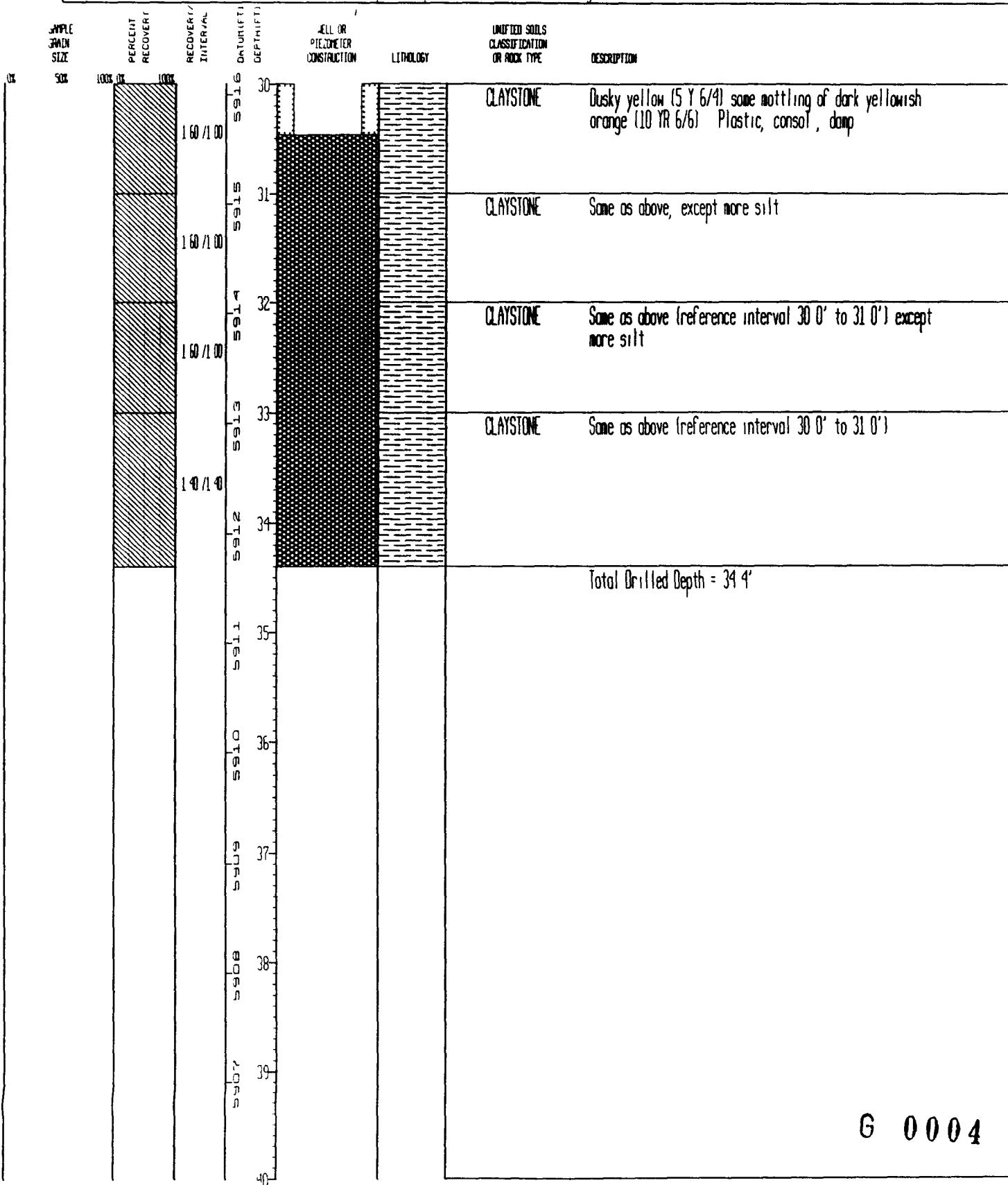
STATE PLANE COORDINATE	TOTAL LENGTH FT	GROUND ELEVATION (FT)	594.10	PROJECT NUMBER	LOG OF BORING NUMBER
NORTH 755765	AREA LANDFILL	CASING DIAMETER (IN)	4 5 0 0	GEOLOGIST	KEN/PMS
EAST 3085008	LOCATOR NUMBER L14	BOREHOLE DIAMETER (IN)	7.25	DATE DRILLED	03/08/89
REMARKS Hollow Stem Auger Upper 1.0' soil removed & discarded not sampled Due to changes in the sampling scheme, BH07-89 was offset and re-drilled from 0.0' to 3.0' in order to obtain a composite sample of that interval Weston Log					B200789



G 0003

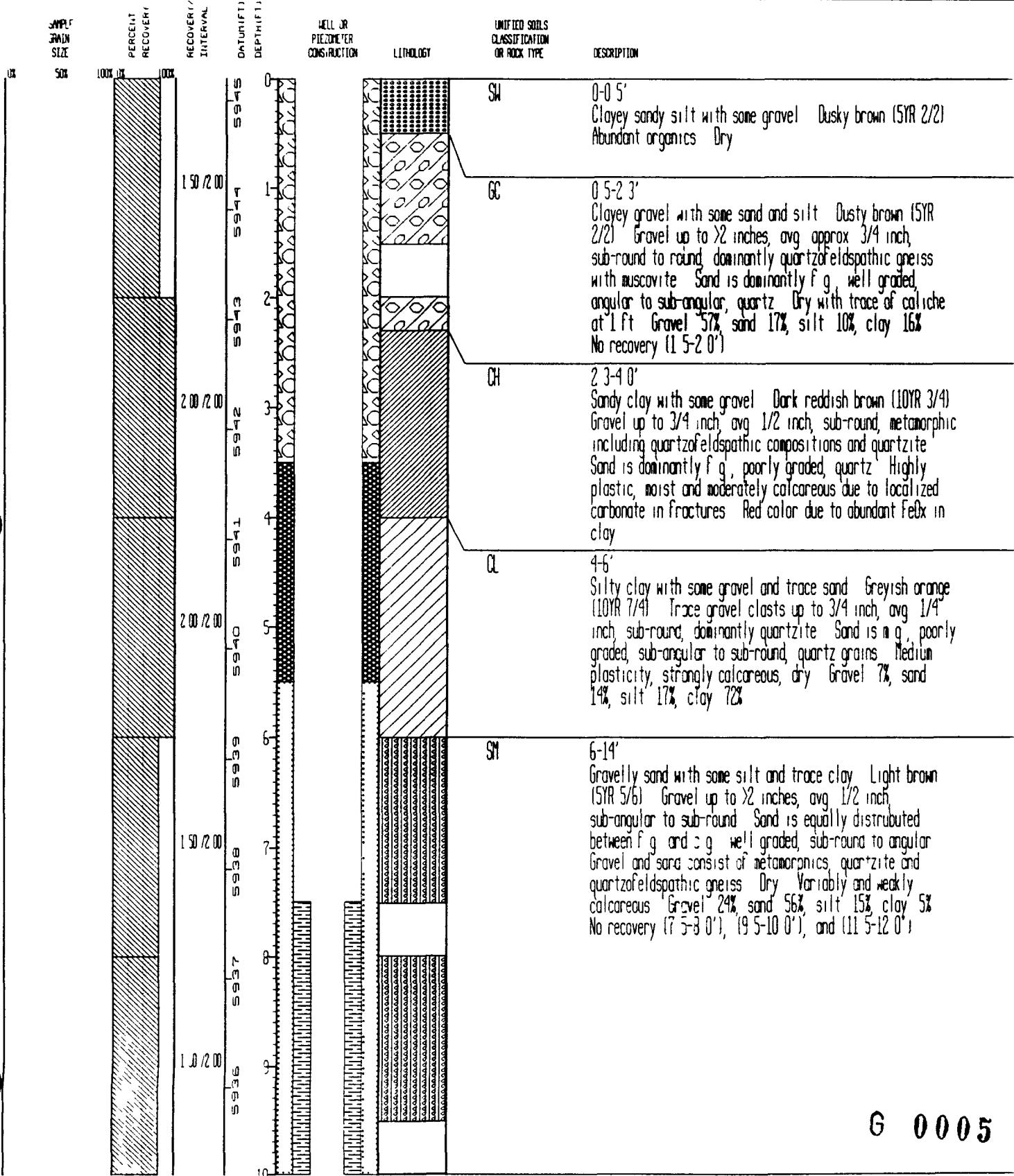
CHITTON, 2001 E DEPTHS
Groundwater Sample Depth
SAMPLE NUMBER

STATE PLANE COORDINATE	TOTAL SIGHTED FEET 34 1	GROUND ELEVATION (FT)	5916 10	PROJECT NUMBER	LOG OF BORING NUMBER
NORTH 755765	AREA LANDFILL	CASING DIAMETER (IN)	4 5 0 0	GEOLOGIST	KEN/PMS
EAST 2085008	LOCATOR NUMBER L14	BOREHOLE DIAMETER (IN)	7 25	DATE DRILLED	03/08/89
REMARKS Hollow Stem Auger Upper 10' soil removed & discarded, not sampled. Due to changes in the sampling scheme BHD-89 was offset and redrilled from 0' to 30' in order to obtain a composite sample of that interval Weston Log					B200789



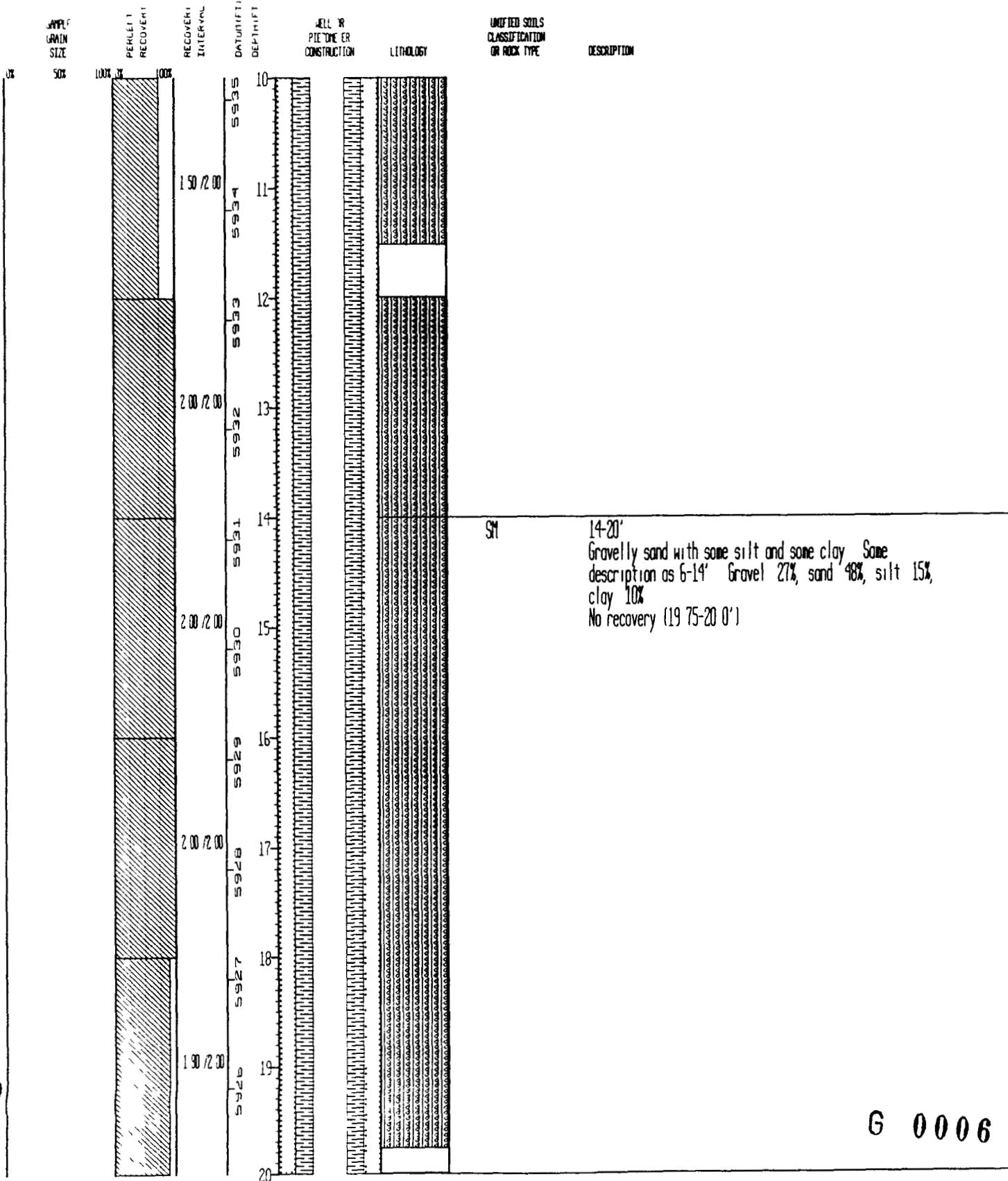
G 0004

STATE OR LINE COORDINATE
 NORTH 755770 AREA NORTH BUFFER TONE GROUND ELEVATION (FT) 545.30 PROJECT NUMBER WRP
 EAST 2085008 LOCATOR NUMBER M.15 CASTING DIAMETER (IN) 2.00 GEOLOGIST K.R. MIYOSHI
 REMARKS HOLLOWSTEM AUGER K.R. MIYOSHI/J.C. WRIGHT TEST WELL BUILT WITH 2.0" AND 4.0" 008 SCREENS WITH A 10-60 DUAL SANDPACK INBETWEEN SCREEN DATE DRILLED 08/23/94
 LOG OF BORING NUMBER 11694



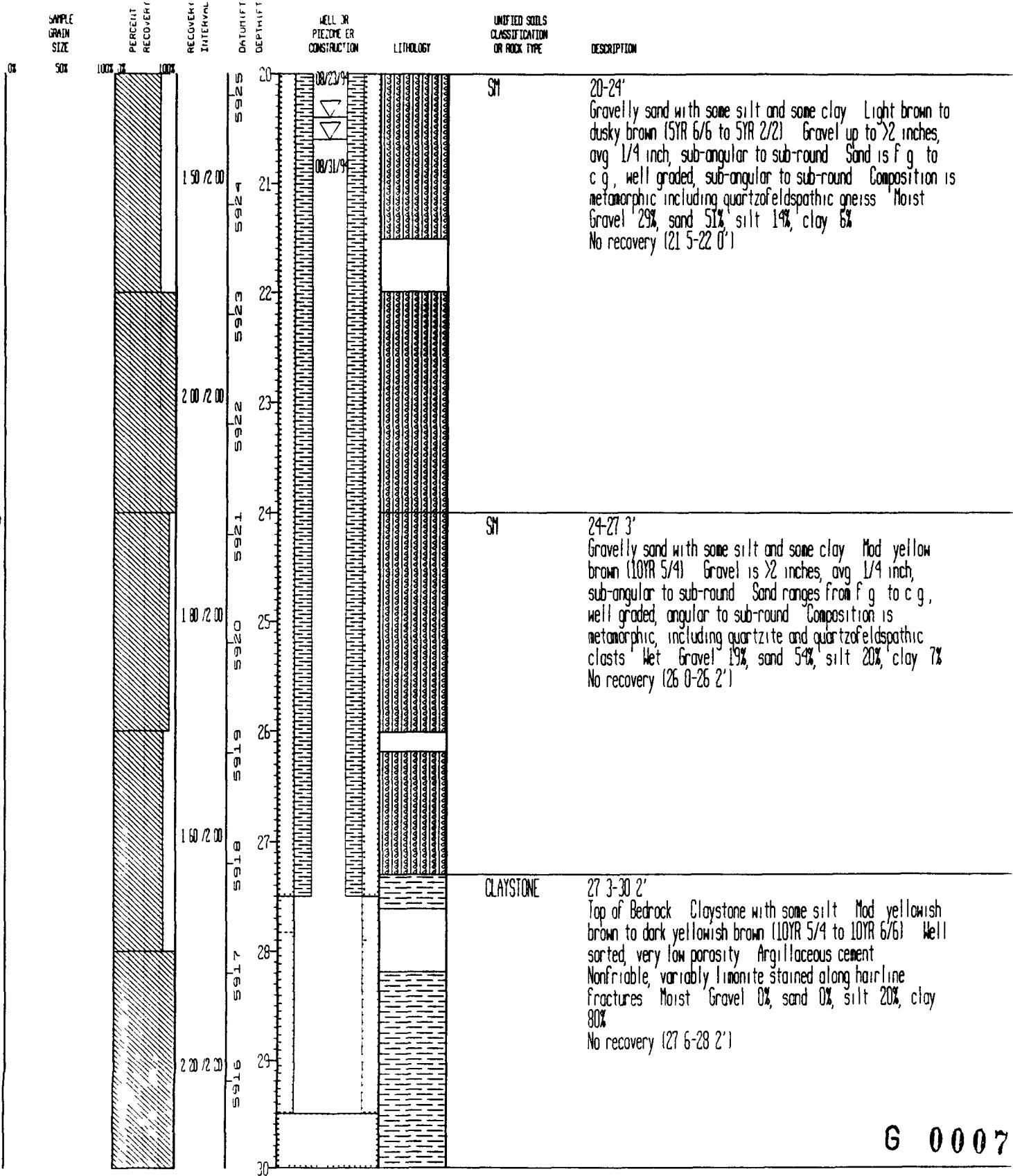
CHEMICAL GROUP SEPTEMBER
GENERAL & APPLIED SCIENCE

STATE	NAME	COORDINATE	TOTAL DEPTH FT. T.D.	GROUND ELEVATION (FT)	5945.20	PROJECT NUMBER	WARP	LOG OF BORING NUMBER
NORTH	755770	AREA NORTH BUFFER LINE		CASING DIAMETER (IN)	2.00	GEOLOGIST	K R MEYOSHI	
EAST	3085008	LOCATOR NUMBER M-15		BOREHOLE DIAMETER (IN)	8.20	DATE DRILLED	08/23/94	11694
REMARKS	HOLLOWSTEM AUGER K R MEYOSHI, J C WRIGHT - EST WELL BUILT WITH 2" AND 4" 008 SCREENS WITH A 40-60 DUAL SANDPACK INBETWEEN SCREE							



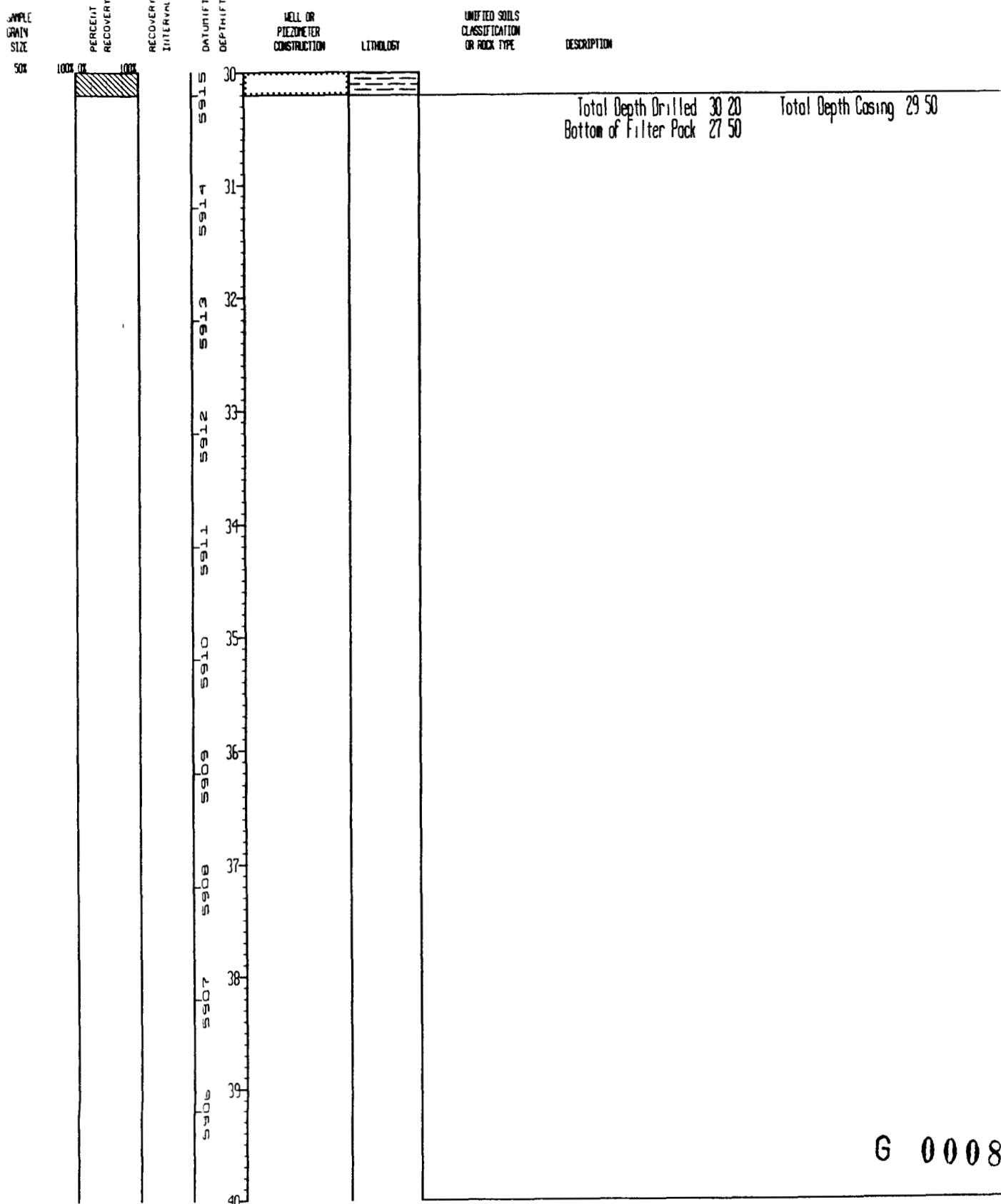
STATE PLANE COORDINATE	TOTAL DEP. H' FT 0.0	GROUND ELEVATION (FT) 545.0	PROJECT NUMBER	HARP	LOG OF BORING NUMBER
NORTH 755770	AREA NORTH BUFFER ONE	CASING DIAMETER (IN) 2.00	GEOLOGIST	K R MIYOSHI	
EAST 2085008	LOCATOR NUMBER M 15	BOREHOLE DIAMETER (IN) 8.20	DATE DRILLED	08/23/94	
REMARKS HOLLOWSTEM AUGER K R MIYOSHI/J C WRIGHT TEST WELL BUILT WITH 2 0" AND 4 0" 008 SCREENS WITH A 40-60 DUAL SANDPACK INBETWEEN SCREE					11694

Groundwater sample depth
Sample number



G 0007

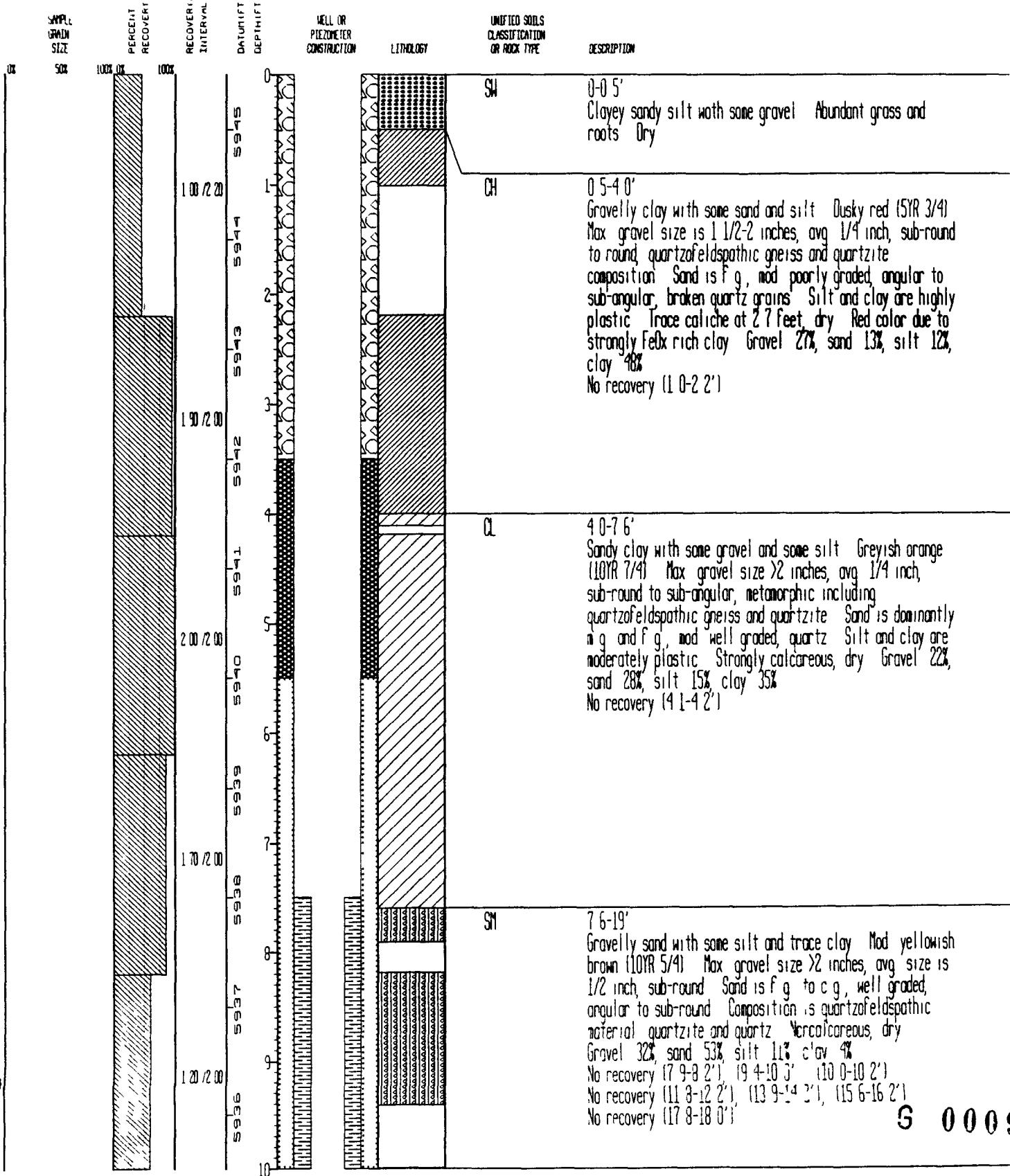
STATE PLANE COORDINATE
 NORTH 755720 AREA NORTH BUFFER ZONE GROUND ELEVATION (FT) 5945.20 PROJECT NUMBER KRP
 EAST 2085008 LOCATOR NUMBER M 15 CASING DIAMETER (IN) 2.00 GEOLOGIST K R MIYOSHI
 REMARKS HOLLOWSTEM AUGER K R MIYOSHI/J C WRIGHT TEST WELL BUILT WITH 2.0" AND 4.0" 008 SCREENS WITH A 10-60 DUAL SANDPACK INBETWEEN SCRE LOG OF BORING NUMBER
11694



G 0008

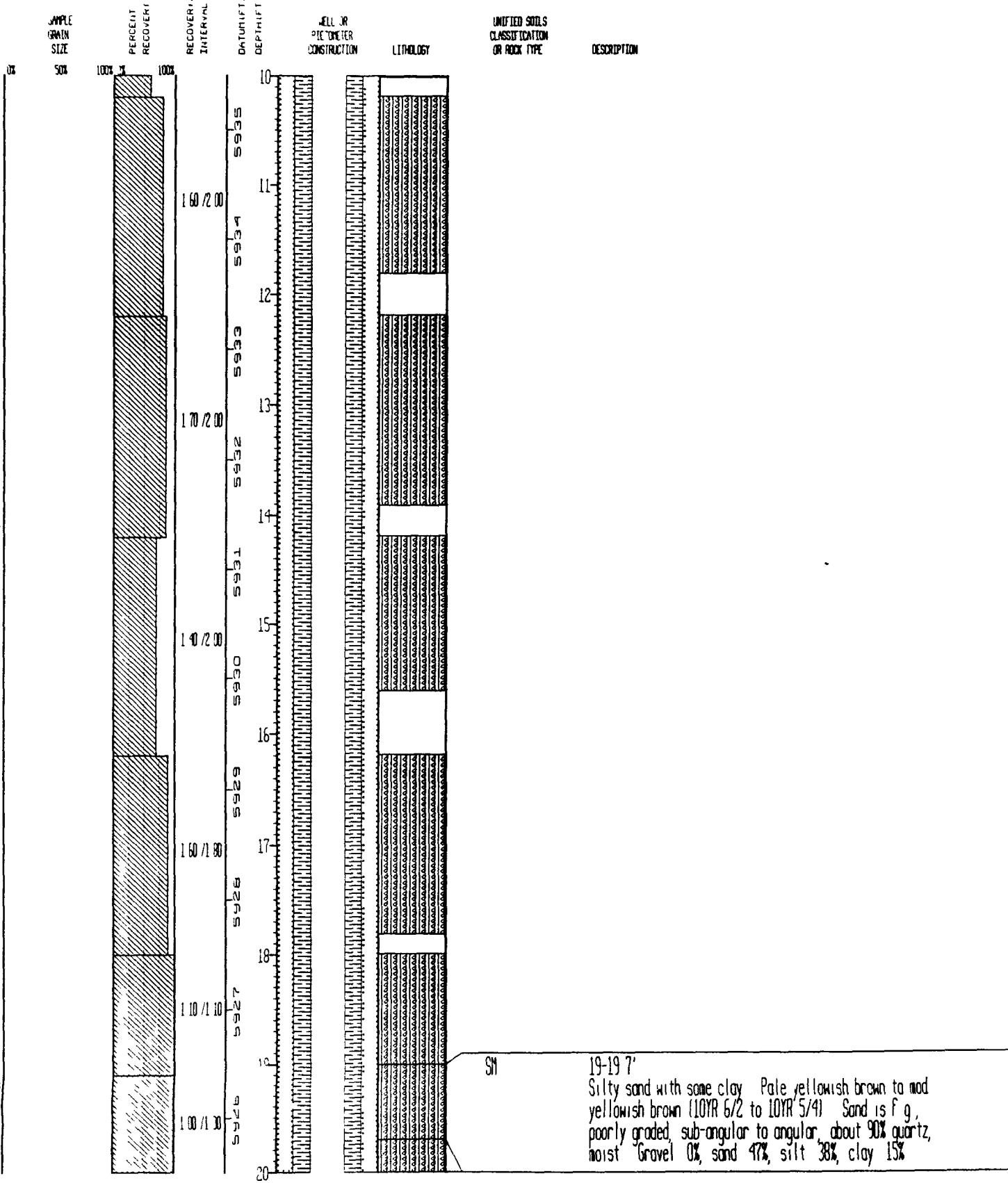
1000' DEPTH

STATE PLANE COORDINATE	TOTAL DEPTH (FT) 30.00	GROUND ELEVATION (FT) 5923	PROJECT NUMBER	HARP	LOG OF BORING NUMBER
NORTH 755760	AREA NORTH BUFFER ZONE	CASING DIAMETER (IN) 2.00	GEOLOGIST	K R MEYOSHI	11794
EAST 2085007	LOCATOR NUMBER M 15	BOREHOLE DIAMETER (IN) 8.50	DATE DRILLED	08/26/94	
REMARKS HOLLOWSTEM NUGER, K R MEYOSHI/J C WRIGHT TEST WELL BUILT WITH 2 0" 006 SCREEN WITH A 30-70 SAND FILTER PACK					



DATE	NE COORDINATE	TOTAL TESTED LENGTH (FT)	GROUND ELEVATION (FT)	PROJECT NUMBER	MAP	LOG OF BORING NUMBER
NORTH	755760	AREA NORTH BUFFER ZONE	CASING DIAMETER (IN)	200	GEOLOGIST	K R MIYOSHI
EAST	2085007	LOCATOR NUMBER 115	BOREHOLE DIAMETER (IN)	8.50	DATE DRILLED	08/26/94
REMARKS	HOLLOWSTEM AUGER K R MIYOSHI/J C WRIGHT TEST WELL BUILT WITH 20" 006 SCREEN WITH A 30-70 SAND FILTER PACK					

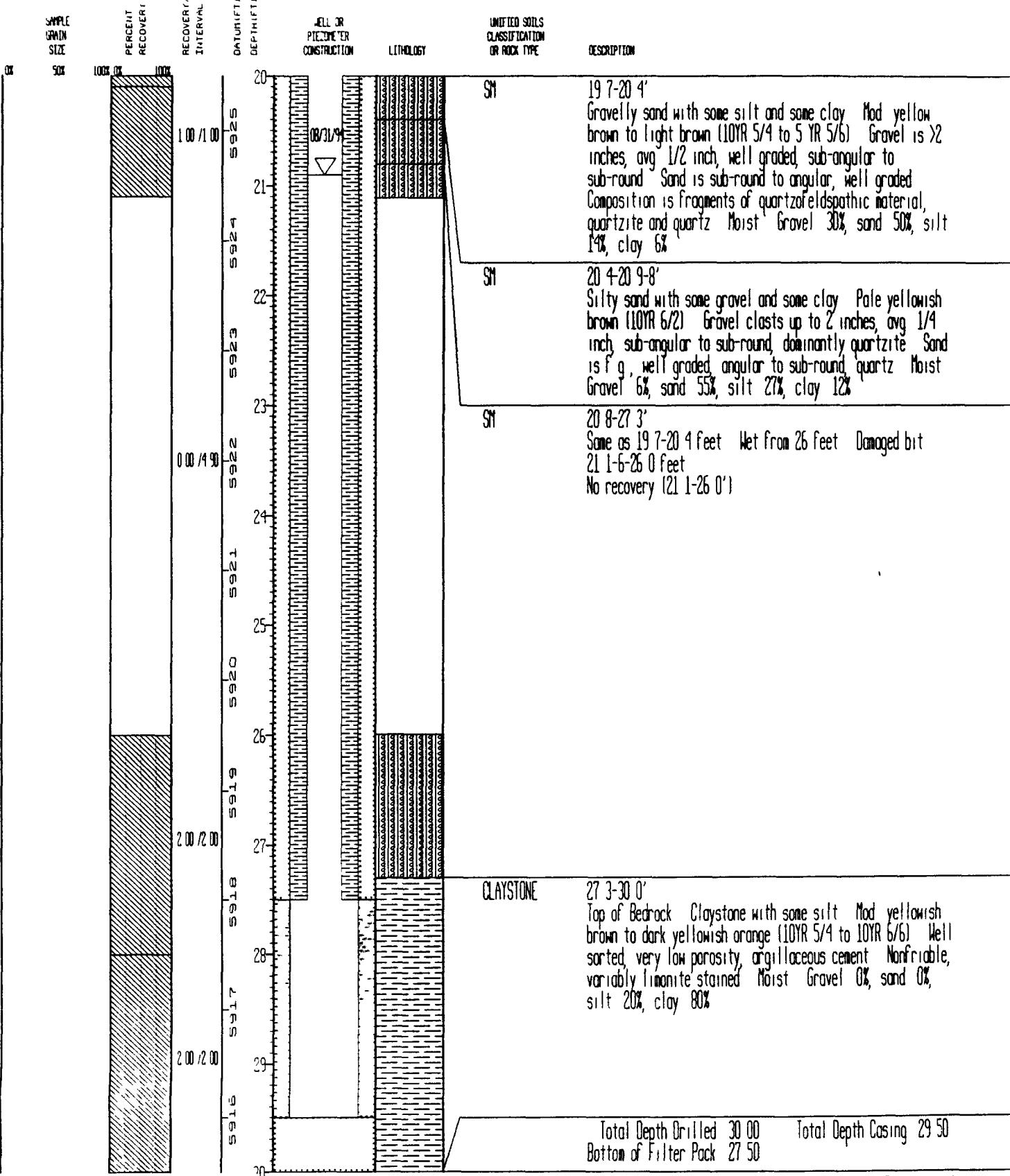
11794



STATE PLANE COORDINATE
 NORTH 755760 AREA NORTH BUFFER ZONE GROUND ELEVATION (FT) 5923.1 PROJECT NUMBER KRP
 EAST 0085007 LOCATOR NUMBER M 15 CASING DIAMETER (IN) 2.00 GEOLOGIST K R MIYOSHI
 REMARKS HOLLOWSTEM AUGER K R MIYOSHI/J C WRIGHT TEST WELL BUILT WITH 2.0" 006 SCREEN WITH A 30-70 SAND FILTER PACK DATE DRILLED 08/26/94

11794

UNITS IN FEET
SAMPLE NUMBER



**MONITOR WELL DESIGN CRITERIA
FOR THE ROCKY FLATS ALLUVIUM
AND FIVE SANDSTONE CHANNELS**

Specifically:

Filter Pack Material and Screen Slot Size

**D. L. Shear
Environmental Monitoring & Assessment
EG & G Rocky Flats, Inc.
Rocky Flats Plant
Golden, CO 80401**

June 28, 1990

G 0012

EXECUTIVE SUMMARY

The filter pack design and screen slot size specifications for monitor wells installed on the Rocky Flats Plant (RFP) are addressed in this report. This action serves as a dual response to the DOE Tiger Team investigation and current evaluation of Standard Operating Procedures to be adopted by the Environmental Restoration Division.

Analysis of selected grain size distribution plots of samples obtained from boreholes within the RFP lead to the following conclusions and recommendations:

- 1) The alluvial and sandstone channel formations are comprised of extremely fine-grained materials.
- 2) The present slot size is acceptable, since it is the smallest screen size available.
- 3) The filter pack currently in use may be slightly reduced (effective grain size) for a small reduction in well turbidity.
- 4) Long-term well development is the most effective means of reducing turbidity, even for the presently existing monitor wells.

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G 0014

PURPOSE OF STUDY

This report is in response to the Department of Energy Tiger Team investigation of the Rocky Flats Plant (RFP), operated and managed by EG & G Rocky Flats, Inc. Particular concern of the turbidity of water samples taken from monitor wells was expressed as a result of that investigation.

This study evaluates the existing monitor well components of filter pack and screen slot size, and their effect on the turbidity of the well water. Improvements identified by this study will be recommended for consideration of future well design criteria. In addition, this criteria will be included in the RFP Standard Operating Procedures, currently under review by the Environmental Restoration Division.

PROCEDURE OF ANALYSIS

The selection of a filter pack to be placed in the well annulus and specification of screen slot size partially dictate the degree of filtration of fines into the well. Development of the monitor well largely contributes to the removal of fine-grained particles in the natural formation nearest the borehole.

Five lower sandstone channels, identified as Ka SS #1 through #5, and the overlying Rocky Flats Alluvium comprise six possible formations in which monitor wells have previously been installed. Mechanical and hydrometer grain size analyses of alluvial and bedrock samples obtained from boreholes in these formations were utilized for filter pack and slot size classification. Standard principles of well design (Harlan, et al. 1989, Driscoll 1986) were employed to evaluate the presently used filter pack and screen slot size. The six formation groupings of selected samples from which grain size distribution data and plots were used are presented in the Appendix.

CONCLUSIONS

Four main items may be concluded from this analysis:

- 1) The alluvial and five sandstone channel formations are comprised of extremely fine-grained materials.
- 2) The present slot size of 0.010 inches is acceptable, since it is the smallest size available for practical use.

CONCLUSIONS (continued)

- 3) The present filter pack does indeed increase the permeability of the natural formations, but it does not fully restrict the transport of fines into the well. A 16-40 filter pack is currently used
- 4) Well development is critical for any reduction of turbidity in the well water. However, sufficient time must be allowed for development due to the low rates of recovery and dryness of wells. This time span may take up to several years

RECOMMENDATIONS

Standard alluvial well design procedures use the 30-percent passing grain size of the finest naturally occurring unit as the starting point in filter pack selection. A factor ranging from 4 to 9 is multiplied by that grain size to determine the 30-percent passing grain size for the filter material. The multiplying factor depends on the uniformity of the aquifer material. A uniformly graded filter material ($Cu < 2.5$) is ideally sought. Once the filter has been selected, only those materials smaller than the 10-percent passing filter grain size are allowed to potentially pass through the slot size. Hence, the slot size is selected by the 90-percent retained grain size value.

Bedrock (tubular) well designs utilize a direct contact of the natural formation with the well screen. Hence, a more conservative estimate of slot size is derived from the 50-percent passing grain size.

Once the filter pack and its respective slot size are chosen, well development is essential to reestablish the natural permeability of the formation and remove excess fines in the natural material nearest the borehole.

In this case, the natural materials are very fine grained, oftentimes half the materials are silt and clay sized fractions. Traditional well design criteria would call for an unreasonably fine-grained filter pack and unrealistically small slot sizes, as small as 0.0004 inches. Screen slot sizes of this slight magnitude would further reduce the already low well yield.

The current situation allows those particles finer than a slot size of 0.010 inches to enter the well, which cause turbid conditions. Since the smallest available slot size is 0.010 inches, the only other alternative is to require a finer grained filter pack. However, this filter material is limited.

RECOMMENDATIONS (conditions)

by the slot size of 0.010 inches, anything finer than this will be brought up the well during development. A finer filter pack will require specially ordered material. While a slight reduction in turbidity may result, the cost-effectiveness of this action should be carefully scrutinized. For example, use of 20-60 filter would only prohibit those particles smaller than the 40 sieve size from entering the well. Particles finer than 0.010 inch will continue to flow into the well.

The basis of the turbidity problem is thought to stem from the well development. Many of the monitor wells exhibit very low recovery rates and have characteristically low static water levels. These two factors contribute to extensive times required for well development, which will eventually remove the excess fines nearest the borehole. Presently, and most likely in the future, monitor wells will continue to yield turbid samples, due simply to the extremely fine-grained natural materials which they penetrate.

In summary, the recommendations of this study are:

- 1) Continue use of the 0.010 inch screen slot size
- 2) Possible use of a 20-60 filter pack, which is finer than the 16-40 filter presently used. It will not effectively prohibit those particles smaller than 0.010 inches from passing into the well, but it will prohibit those particles smaller than the 40 sieve from entering. The cost-effectiveness of this action must be carefully weighed

APPENDIX

The enclosed grain size distribution curves illustrate a "by the book" approach to filter pack and slot size selection. The impracticality of this technique is obvious in this situation in light of the extremely small slot size and fine-grained filter pack that would be required.

GRAIN SIZE DISTRIBUTION DATA FOR SELECTED BOREHOLES

Ka SS #1		(BEDROCK)				
SCREEN DIA (mm)	% PASSING	1986		% PASSING	1987	
	43-86 (18.5-20)	32-86 (2-4)	31-86 (13-14.5)	BH42-87 (37-39)	36-87BR (26-27.5)	BH33-87 (12.8-15.3)
9.5000						100.0
4.7500	100.0	100.0	100.0	100.0	100.0	99.5
2.3800						
1.6800	98.0	99.0	99.0	99.5	99.5	98.0
0.4200	97.0	98.0	98.0	90.0	88.0	94.0
0.1490	82.0	77.0	93.0	20.0	71.0	64.0
0.0740	65.0	42.0	46.0			44.0
0.0330	51.0	34.0	32.0	12.5	26.0	38.0
0.0210	46.0	32.0	29.0	11.5	25.0	36.0
0.0120	43.0	31.0	28.0	11.0	23.0	34.0
0.0090	40.0	30.0	26.0	11.0		32.5
0.0060	39.0	29.0	25.0	10.0	21.0	31.0
0.0030	35.0	26.0	22.0	9.5	19.0	28.0
0.0012	29.0	21.0	19.0	7.5	15.0	25.0

Ka S #2		(BEDROCK)
SCREEN DIA (mm)	%PASSING	1987 11-87BR (20-21.1)

4.7500	100.0
1.6800	99.0
0.4200	98.0
0.1490	94.5
0.0740	82.5
0.0290	66.0
0.0175	60.0
0.0105	55.5
0.0080	52.5
0.0055	50.0
0.0029	42.0
0.0012	35.0

Ka SS #3

(BEDROCK)

SCREEN DIA (mm)	%PASSING 59-86 (20-22)	1986 62-86 (25.3-27.7)	%PASSING 41-87BR (67-68.9)	1987 31-87BR (112.5-116)
12.7000			100.0	
9.5000			99.5	
4.7500		100.0	98.0	
1.6800	100.0	98.5	84.5	100.0
0.4200	99.5	97.5	64.0	99.0
0.1490	99.0	97.0	56.0	79.0
0.0740	56.5	68.5		46.0
0.0300	39.0	50.5	29.0	38.0
0.0200	37.0	47.5	25.5	33.0
0.0120	34.0	44.0	24.0	31.0
0.0085	33.0	41.0	21.0	29.0
0.0060	32.5	39.0	20.0	26.5
0.0030	29.0	36.0	18.0	24.5
0.0012	25.0	29.0	13.0	19.0

K S #4

(BEDROCK)

SCREEN DIA (mm)	% PASSING 9-86 (124-124.8)	1986 14-86 (48.4-50.3)	1986 14-86 (51.6-53.8)	% PASSING 41-87BR (84.5-86)	1987 6-87A (17.6-18.9)
50.8000				100.0	
38.1000				89.5	
25.4000				88.5	
19.0500				88.0	
12.7000				88.0	
9.5000	100.0			87.0	
4.7500	99.0		100.0	100.0	86.0
1.6800	97.5	100.0	99.5	99.0	85.0
0.4200	96.0	98.0	96.5	89.0	73.5
0.1490	92.0	82.0	38.0	74.0	32.0
0.0740	61.5	48.0			25.0
0.0300	45.0	39.0	22.0	50.0	22.0
0.0200	41.0	35.0	21.0	46.0	21.0
0.0120	38.0	32.0	20.0	39.0	19.5
0.0085	36.0	31.0	19.0	37.0	18.5
0.0060	34.0	29.0	18.0	35.0	17.5
0.0030		25.0	17.0	28.0	16.0
0.0020	22.0				
0.0012		21.0	13.0	21.0	15.0

G 0020

a SS #5

(BEDROCK)

SCREEN DIA (mm)	% PASSING	1986
		62-86 (55.3-57.8)

1.6800	100.0
0.4200	100.0
0.1490	57.5
0.0300	29.0
0.0200	28.0
0.0120	27.0
0.0085	25.0
0.0060	23.5
0.0030	22.0
0.0012	19.0

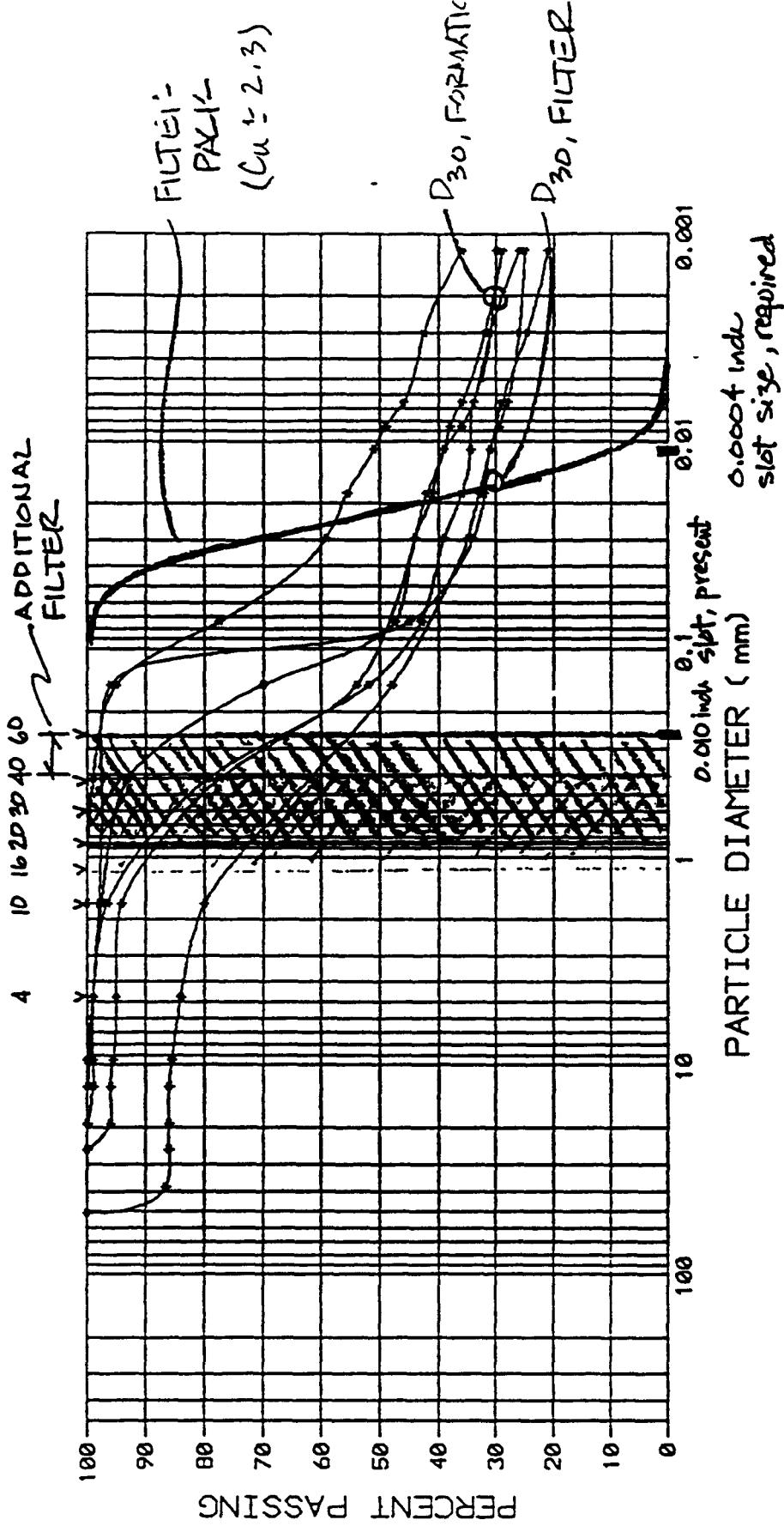
ROCKY FLATS ALLUVIUM

(ALLUVIAL)

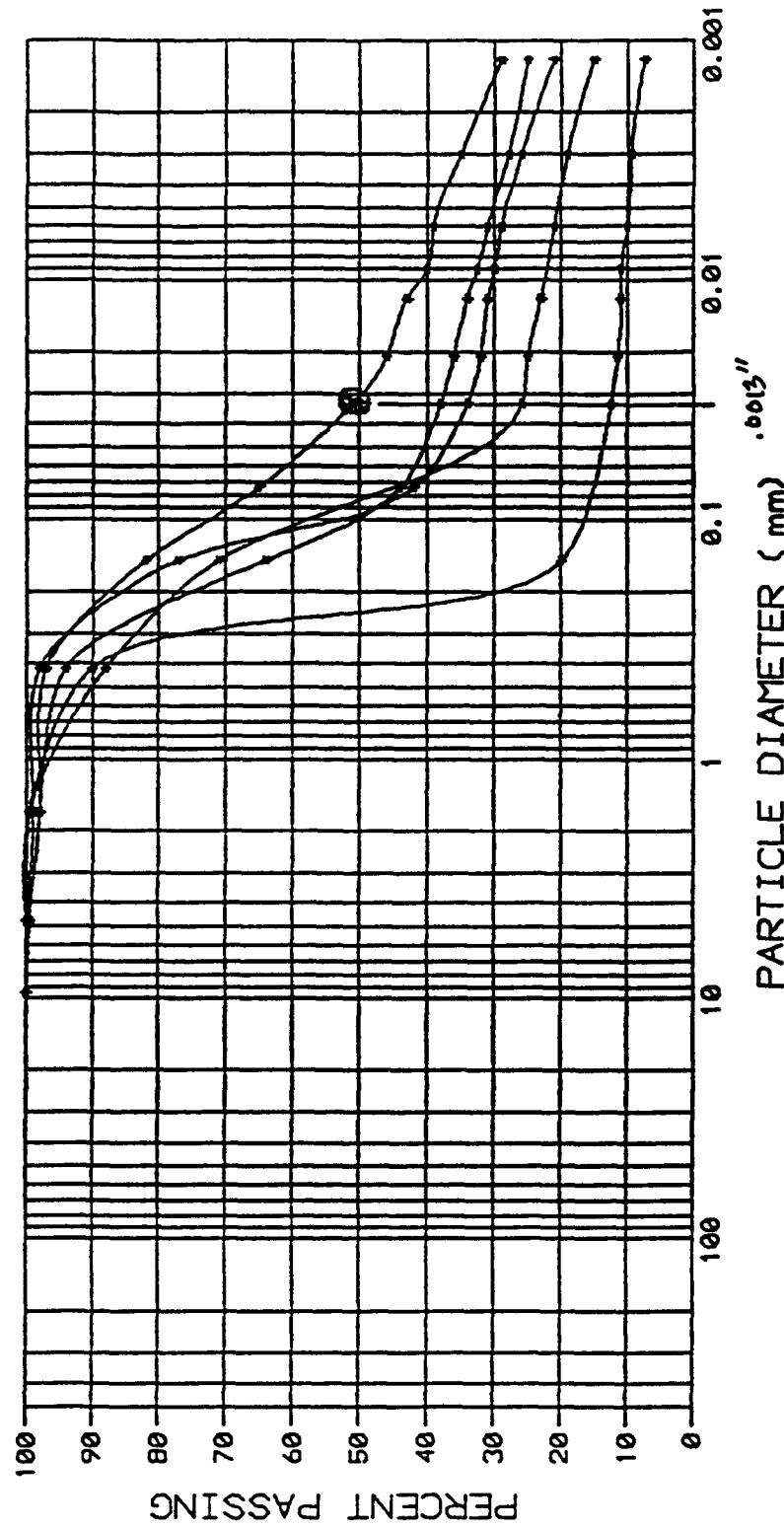
SCREEN DIA (mm)	% PASSING		1986		% PASSING		1987	
	22-86 (10-12)	43-86 (8-10)	61-86 (5-8.5)	28-87 (40-41.1)	BH34-87 (12.7-14.7)	BH45-87 (20-20.5)		
50.8000				100.0				
38.1000				86.5				
25.4000				86.0	100.0			
19.0500		100.0		86.0	96.0			
12.7000		99.0		86.0	96.0	100.0		
9.5000		99.0	100.0	85.5	95.5	99.5		
4.7500		99.0	99.0	84.0	95.0	99.0		
1.6800	100.0	97.5	96.5	80.0	94.0	98.0		
0.4200	99.0	93.0	79.5	62.0	77.5	97.5		
0.1490	95.0	70.0	52.0	48.0	54.0	96.0		
0.0740	77.5	47.5	43.0			45.0		
0.0295	59.0	44.0	39.0	35.0	44.0	34.0		
0.0180	55.5	41.0	36.0	33.0	42.0	32.0		
0.0110	51.0	39.0	34.5	31.0	39.0	31.0		
0.0085	49.0	36.0			38.0	29.5		
0.0065	46.0	34.0	34.0	29.0	36.0	28.0		
0.0050			32.5					
0.0030	42.5	31.0	31.0	24.5	32.0	26.0		
0.0012	36.0	26.0	30.0	21.0	29.0	25.0		

G 0021

ROCKY FLATS ALLUVIUM
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA

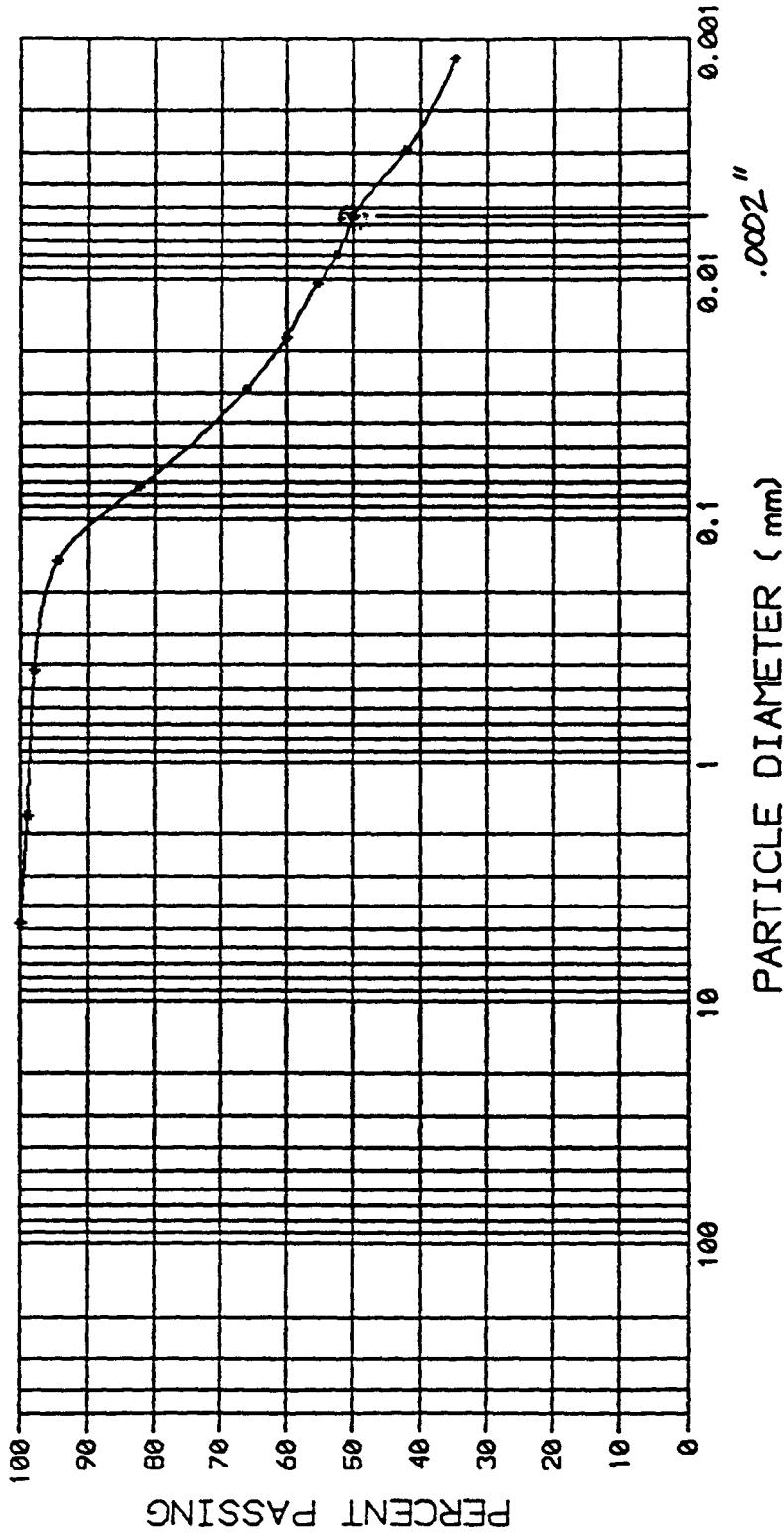


K_a SS #1 (BEDROCK)
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA

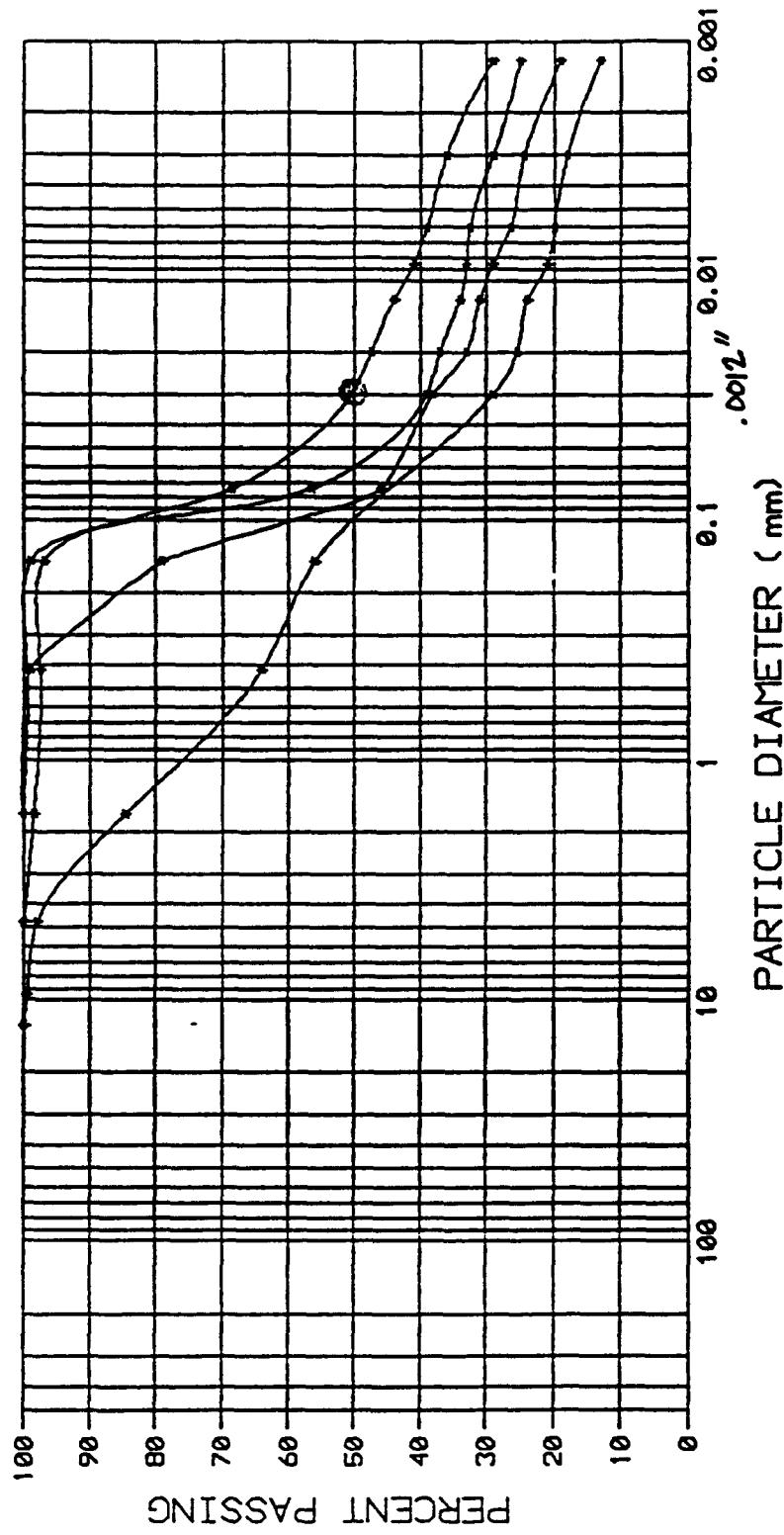


G 002:

K_a SS #2 (BEDROCK)
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA

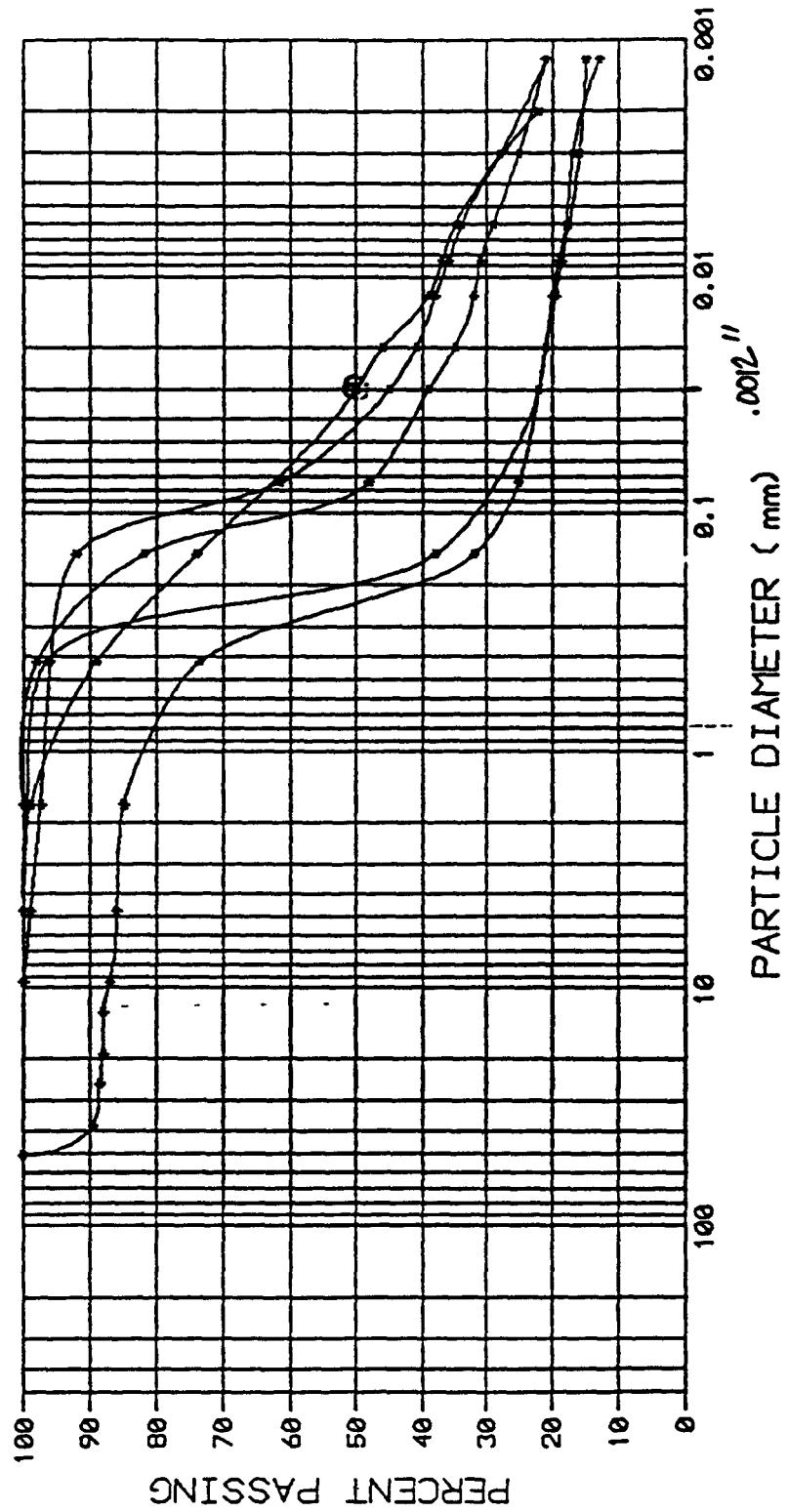


K_o SS #3 (BEDROCK)
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA



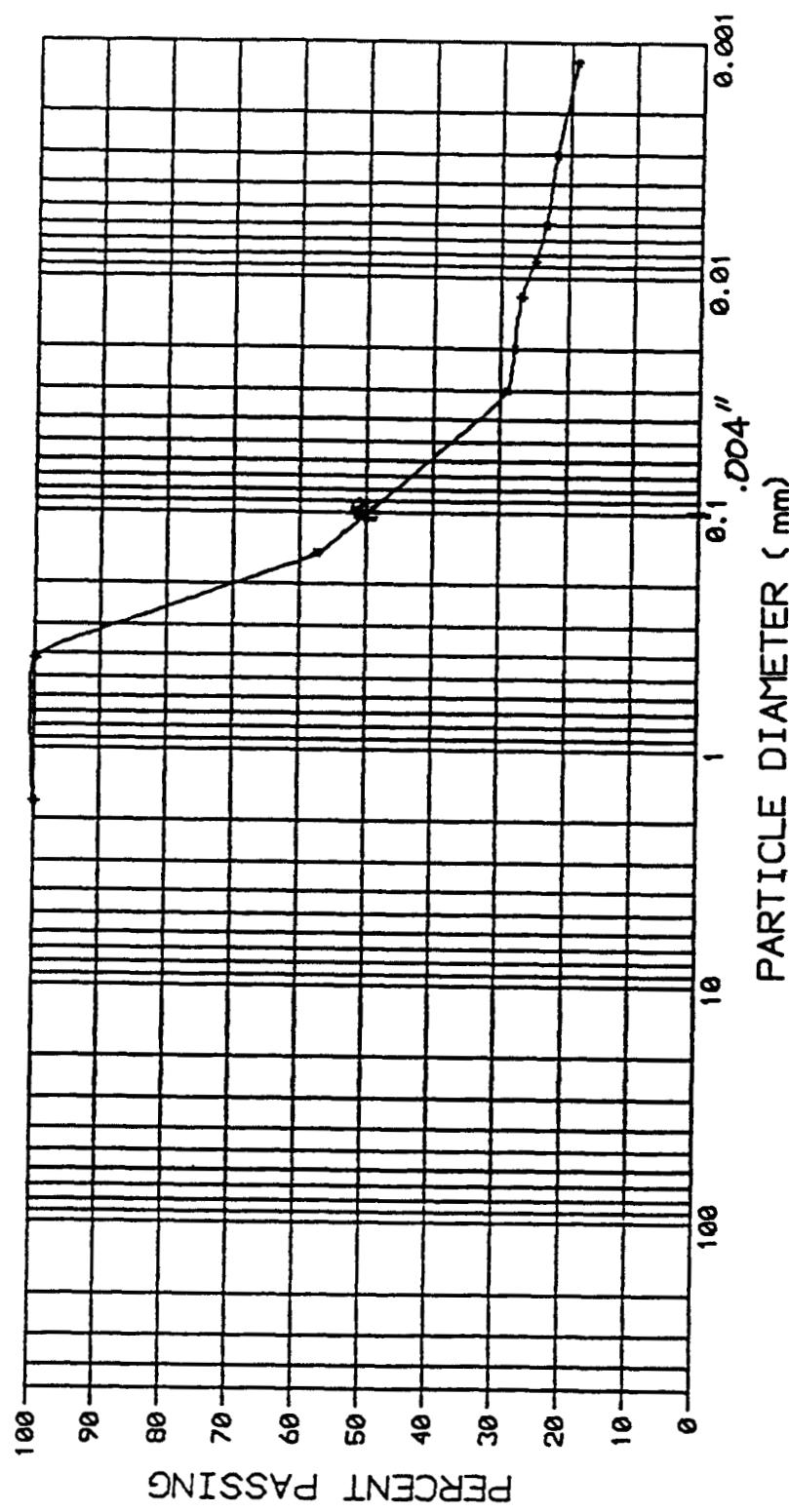
0025

K_a SS #4 (BEDROCK)
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA



G 0026

K_a SS #5 (BEDROCK)
GRAIN SIZE DISTRIBUTION CURVES
FOR WELL DESIGN CRITERIA



F 0027